Experiment no:

AIM: Design the following static web pages required for an online book store web site.

1. HOME PAGE: The static home page must contain three **frames**.

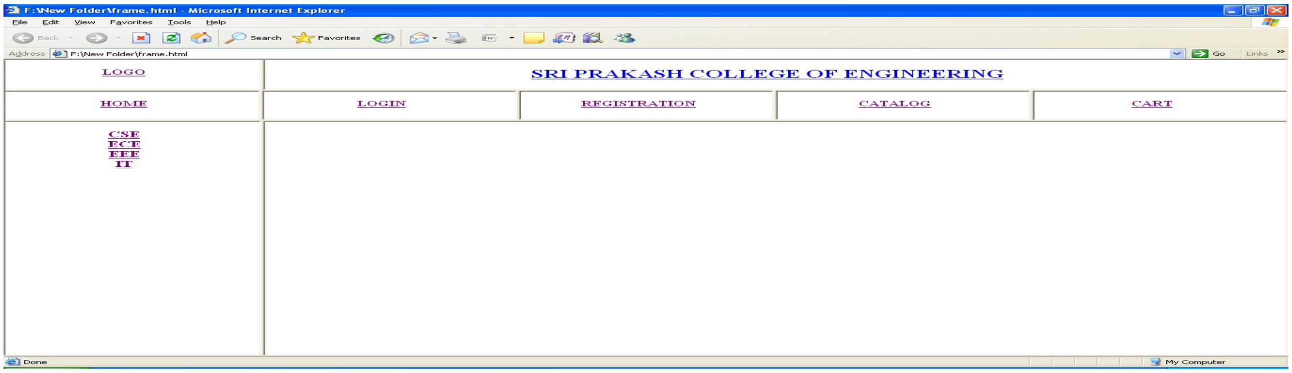
Top frame	Logo and the college name and links to Home page, Login page, Registration page, Catalogue page and Cart page (the description of these pages will be given below).
Left frame	At least four links for navigation, which will display the catalogue of respective links. For e.g.: When you click the link **"CSE"** the catalogue for **CSE** Books should be displayed in the Right frame.
Right frame	The pages to the links in the left frame must be loaded here. Initially this page contains description of the web site.

Source code:

frame.html:

```
<html>
<frameset rows="10%,10%,80%">
<frameset cols="20%,80%">
<frame name="a" src="logo.html">
<frame name="b" src="spce.html">
</frameset>
<frameset cols="20%,20%,20%,20%,20%">
<frame name="c" src="home.html">
<frame name="d" src="login.html">
<frame name="e" src="registration.html">
<frame name="f" src="catalog.html">
<frame name="g" src="cart.html">
</frameset>
<frameset cols="20%,80%">
<frame name="h" src="dept.html">
<frame name="i" src="">
</frameset>
</frameset>
</html>
```

OUTPUT:


F:\New Folder\frame.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\frame.html
Go Links
Done
My Computer

LOGO

SRI PRAKASH COLLEGE OF ENGINEERING

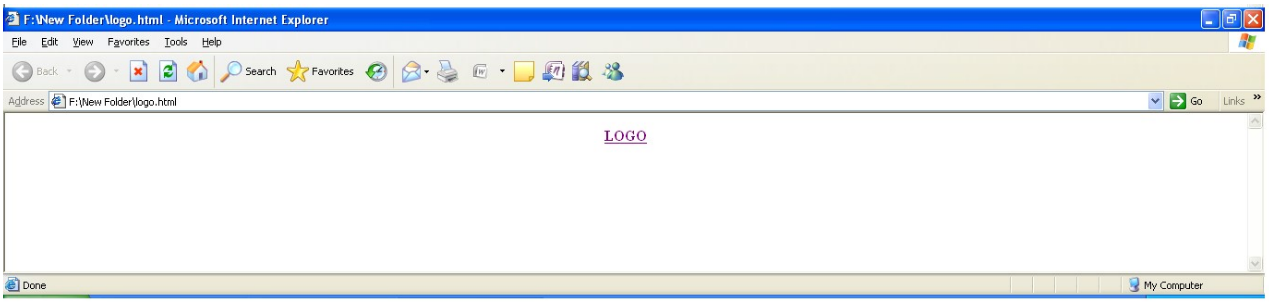
HOME LOGIN REGISTRATION CATALOG CART

CSE
ECE
EEE
IT

logo.html:

```
<center>    <b><a href="F:\New Folder\logo.JPG" target="i">LOGO</a></b>   </center>
```

OUTPUT:

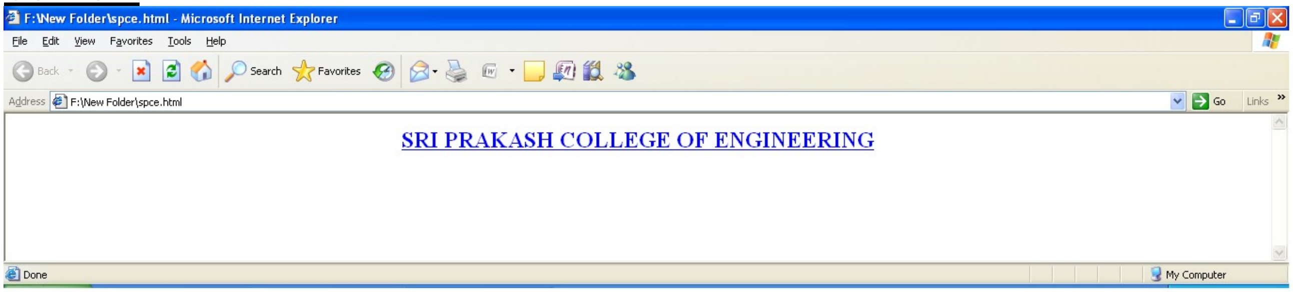

F:\New Folder\logo.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\logo.html
Go Links
Done
My Computer

LOGO

spce.html:

```
<center>
<font size=5><a href="" target="b"><b>SRI PRAKASH COLLEGE OF ENGINEERING</b></a>
</font></center>
```

OUTPUT:

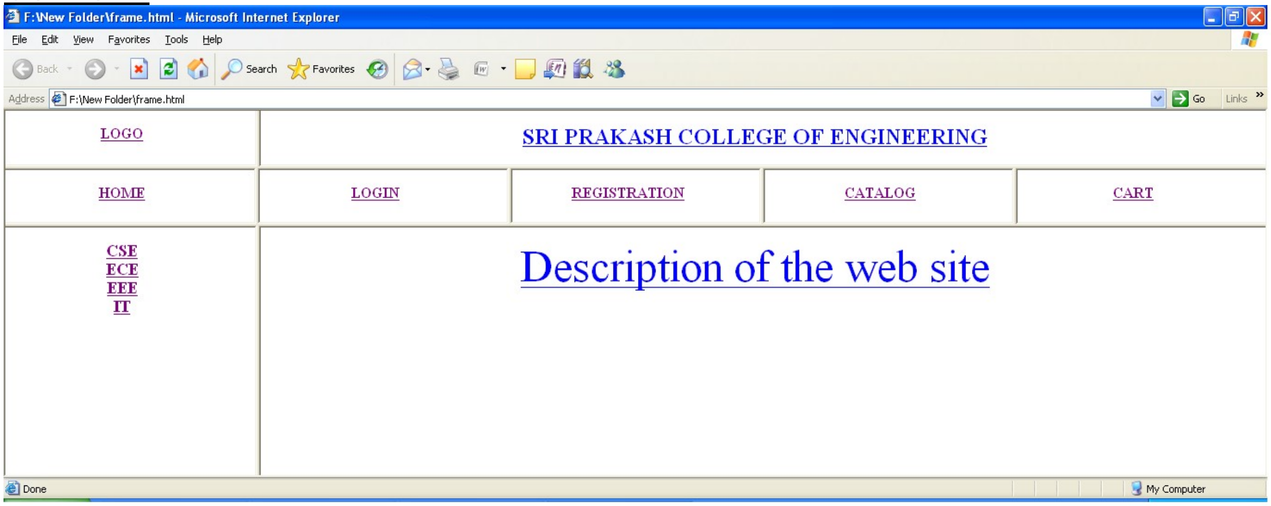

F:\New Folder\spce.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\spce.html
Go Links
Done
My Computer

SRI PRAKASH COLLEGE OF ENGINEERING

home.html:

```
<center><b><a href="desc.html" target="i">HOME</a></b></center>
```

OUTPUT:-


F:\New Folder\frame.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\frame.html
Go Links
Done
My Computer

LOGO

SRI PRAKASH COLLEGE OF ENGINEERING

HOME

LOGIN

REGISTRATION

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Description of the web site

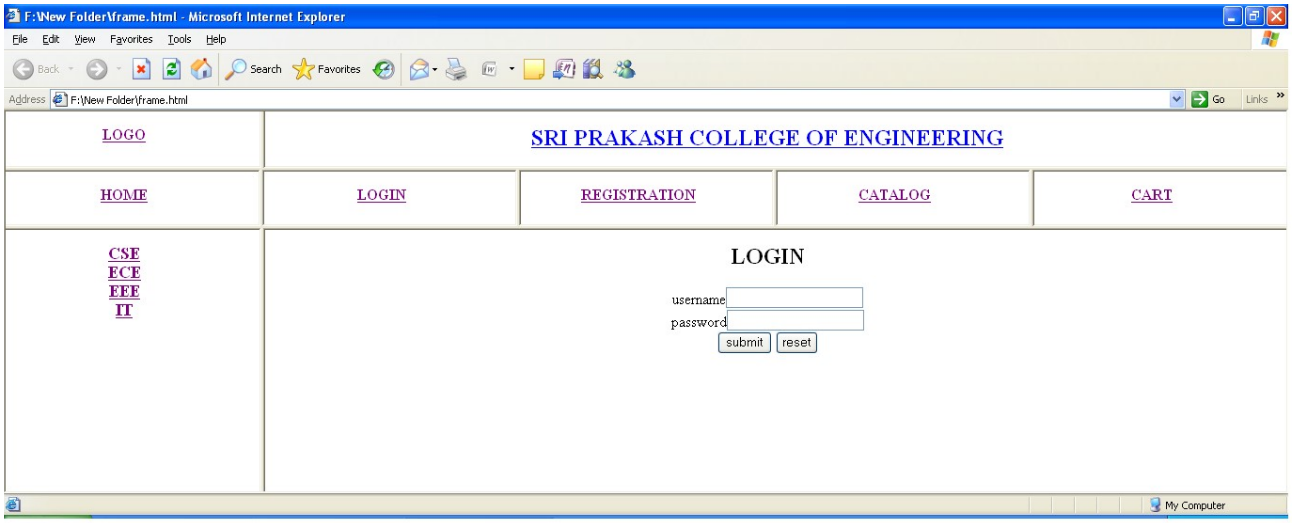
login.html:

```
<center><b><a href="script.html" target="i">LOGIN</a><br></b></center>
```

script.html:

```
<center><label><b><font size=5>LOGIN</font> </b></label>

<form name="f1">
username<input type="text" name="t1"><br>
password<input type="text" name="t2"><br>
<input type="button" value="submit" onclick="valid()">
<input type="button" value="reset" onclick="valid()">
</form>
        <script language="javascript">
        function valid()
        {
        var s1=document.f1.t1.value;
        var s2=document.f1.t2.value;
        if(s1==s2)
        alert("valid user");
        else
        alert("not valid user");
        }
        </script>
</center>
```

OUTPUT:



CATOLOGUE PAGE:

The catalogue page should contain the details of all the books available in the web site in a table.

The details should contain the following:

1. Snap shot of Cover Page.   2. Author Name.
3. Publisher.   4. Price.
5. Add to cart button.

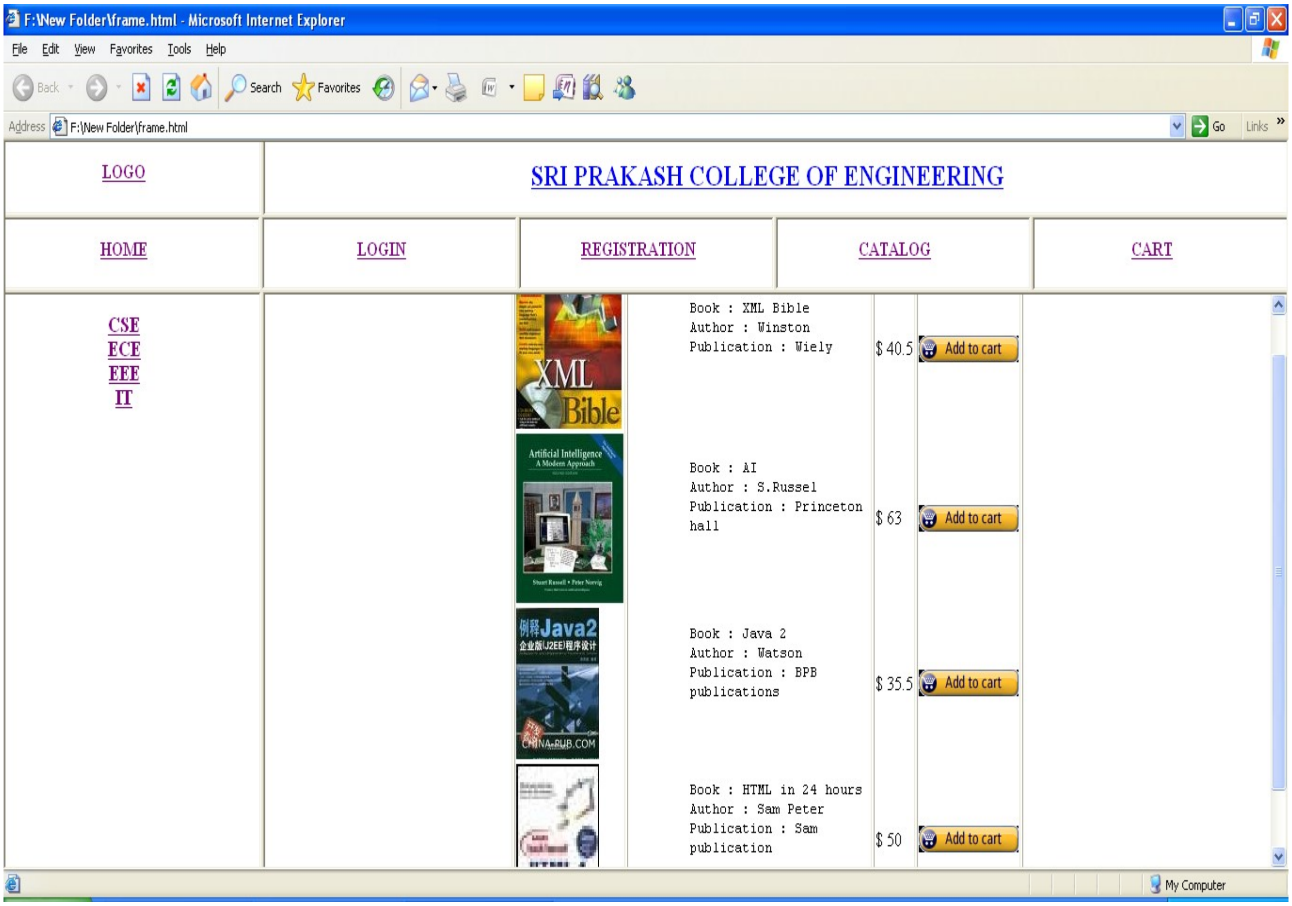
cat.html:

```
<center><b><a href="catalogpage.html" target="i">CATALOG</a><br></b></center>
```

catalogpage.html:

```
<html>
<center>
<table rules=cols>

<tr>
<td><img src="images/1.png"></td>
<td><pre>Book : XML Bible
 Author : Winston
Publication : Wiely  </pre></td>
<td>$ 40.5</td>
<td><a href=" "><img src="images/5.png" border="0"></td>
</tr>

<tr>
<td><img src="images/2.png"></td>
<td><pre> Book : AI
Author : S.Russel
Publication : Princeton hall  </pre></td>
<td>$ 63</td>
<td><a href=" "><img src="images/5.png" border="0"></td>
</tr>

<tr>
 <td><img src="images/3.png"></td>
 <td><pre>
 Book : Java 2
 Author : Watson
 Publication : BPB publications </pre></td>
 <td>$ 35.5</td>
 <td><a href=" "><img src="images/5.png" border="0"></td>
</tr>

<tr>
<td><img src="images/4.png"></td>
<td><pre>
Book : HTML in 24 hours
Author : Sam Peter
Publication : Sam publication</pre></td>
<td>$ 50</td>
<td><a href=" "><img src="images/5.png" border="0"></td>
</tr>
</table>
</center>
</html>
```

OUTPUT:


F:\New Folder\frame.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
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Search
Favorites
Address F:\New Folder\frame.html
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	Book : XML Bible Author : Winston Publication : Wiely	$ 40.5	Add to cart
	Book : AI Author : S.Russel Publication : Princeton hall	$ 63	Add to cart
	Book : Java 2 Author : Watson Publication : BPB publications	$ 35.5	Add to cart
	Book : HTML in 24 hours Author : Sam Peter Publication : Sam publication	$ 50	Add to cart

RESULT: The program is verified and executed.

Experiment no:

AIM: Design a cart page

The cart page contains the details about the books which are added to the cart.

Source code:

cart.html:

```
<center>        <b><a href="cartpage.html" target="i">CART</a><br></b>    </center>
```

cartpage.html

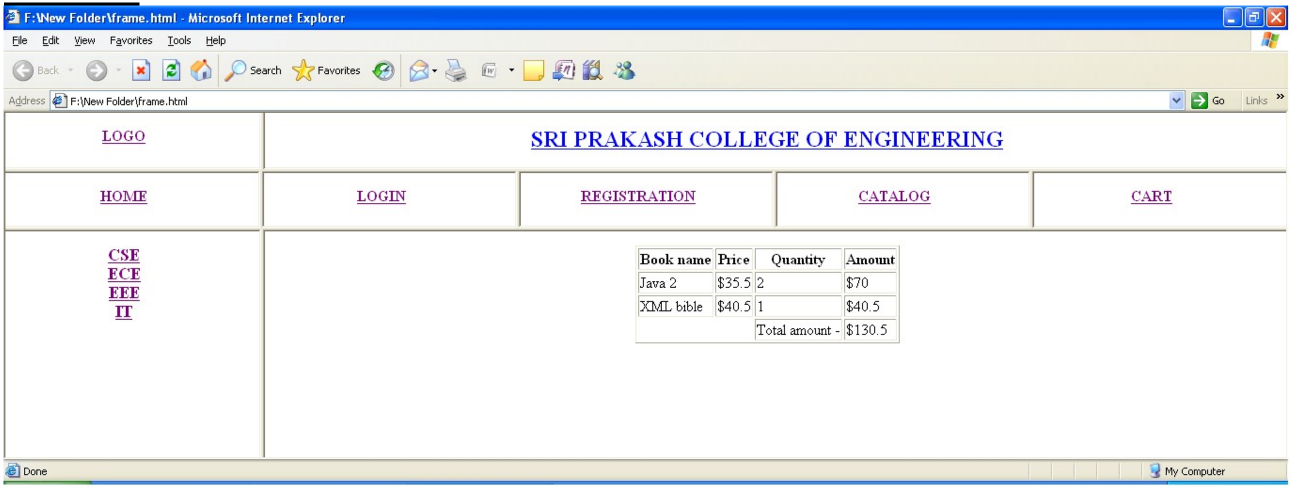
```
<center>
<table border="1">
<tbody>
<thead>
<tr>
<th>Book name</th>
<th>Price</th>
<th>Quantity</th>
<th>Amount</th>
</tr>
</thead>

<tr>
<td>Java 2</td>
<td>$35.5</td>
<td>    2</td>
<td>$70</td>
</tr>

<tr>
<td>XML bible</td>
<td>$40.5</td>
<td>   1</td>
<td>$40.5</td>
</tr>

<tr>
<td></td>
<td></td>
<td>Total amount -</td>
<td>$130.5</td>
</tr>
</tbody>
</table>
</center>
```

OUTPUT:


F:\New Folder\frame.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\frame.html
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My Computer

Book name	Price	Quantity	Amount
Java 2	$35.5	2	$70
XML bible	$40.5	1	$40.5
		Total amount -	$130.5

REGISTRATION PAGE: Create a “registration form “with the following fields

1. Name (Text field)
2. Password (password field)
3. E-mail id (text field)
4. Phone number (text field)
5. Sex (radio button)
6. Date of birth (3 select boxes)
7. Languages known (check boxes – English, Telugu, Hindi, Tamil)
8. Address (text area)

registration.html:

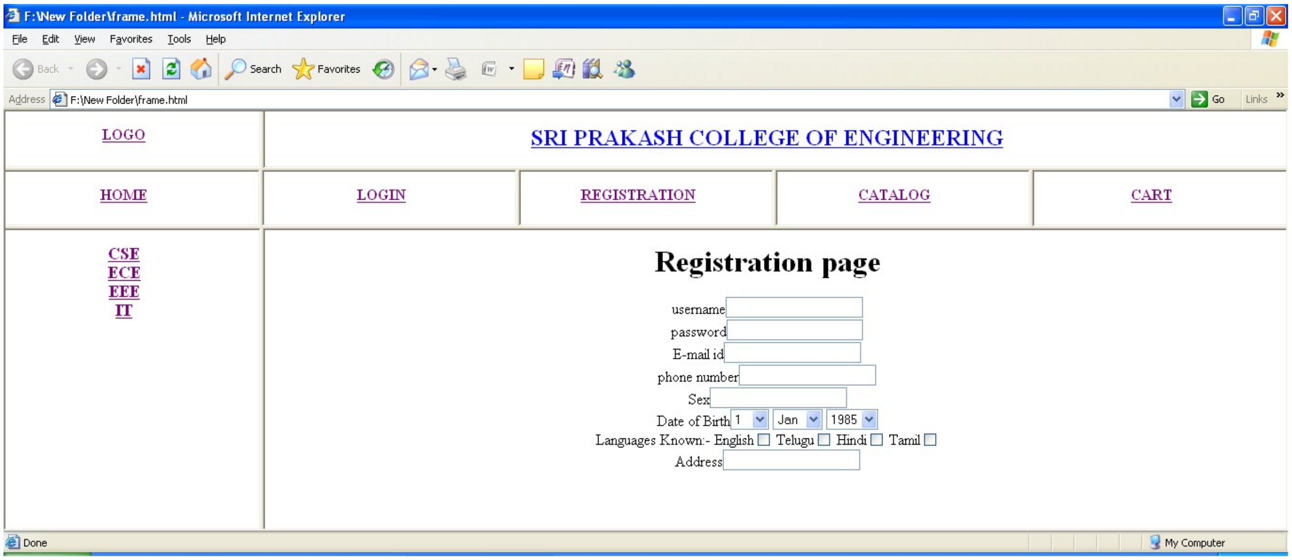
```
<center><b><a href="registrationpage.html" target="i">REGISTRATION</a><br></b></center>
```

registrationpage.html:

```
<center><h1>Registration page</h1>
        <form name="f1">
                username<input type="text"><br>
                password<input type="password"><br>
                E-mail id<input type="text"><br>
                phone number<input type="text"><br>
                Sex<input type="radiobutton" name="" value=""><br>
                Date of Birth<select name="Day" value="">
                        <option>1</option>
                        <option>2</option>
                        <option>3</option>
                        <option>4</option>
                        <option>5</option>
                        <option>6</option>
                        <option>7</option>
                        <option>8</option>
                        <option>9</option>
                        <option>10</option>
                        <option>11</option>
                        <option>12</option>
                        <option>13</option>
                        <option>14</option>
                        <option>15</option>
```

```
            <option>16</option>
            <option>17</option>
            <option>18</option>
            <option>19</option>
            <option>20</option>
            <option>21</option>
            <option>22</option>
            <option>23</option>
            <option>24</option>
            <option>25</option>
            <option>26</option>
            <option>27</option>
            <option>28</option>
            <option>29</option>
            <option>30</option>
            <option>31</option>
        </select>
        <select name="month" value="">
            <option>Jan</option>
            <option>Feb</option>
            <option>Mar</option>
            <option>Apr</option>
            <option>May</option>
            <option>Jun</option>
            <option>Jul</option>
            <option>Aug</option>
            <option>Sep</option>
            <option>Oct</option>
            <option>Nov</option>
            <option>Dec</option>
        </select>
        <select name="year" value="">
            <option>1985</option>
            <option>1986</option>
            <option>1987</option>
            <option>1988</option>
            <option>1989</option>
            <option>1990</option>
            <option>1991</option>
            <option>1992</option>
            <option>1993</option>
            <option>1994</option>
            <option>1995</option>
            <option>1996</option>
        </select><br>
        <label>Languages Known:-</label>
        English<input type="checkbox" name="" value="">
        Telugu<input type="checkbox" name="" value="">
        Hindi<input type="checkbox" name="" value="">
        Tamil<input type="checkbox" name="" value=""><br>
        Address<input type="textarea">
    </form>
</center>
```

OUTPUT:


F:\New Folder\frame.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\frame.html
Go Links
Done
My Computer

LOGO | SRI PRAKASH COLLEGE OF ENGINEERING

HOME | LOGIN | REGISTRATION | CATALOG | CART

CSE
ECE
EEE
IT

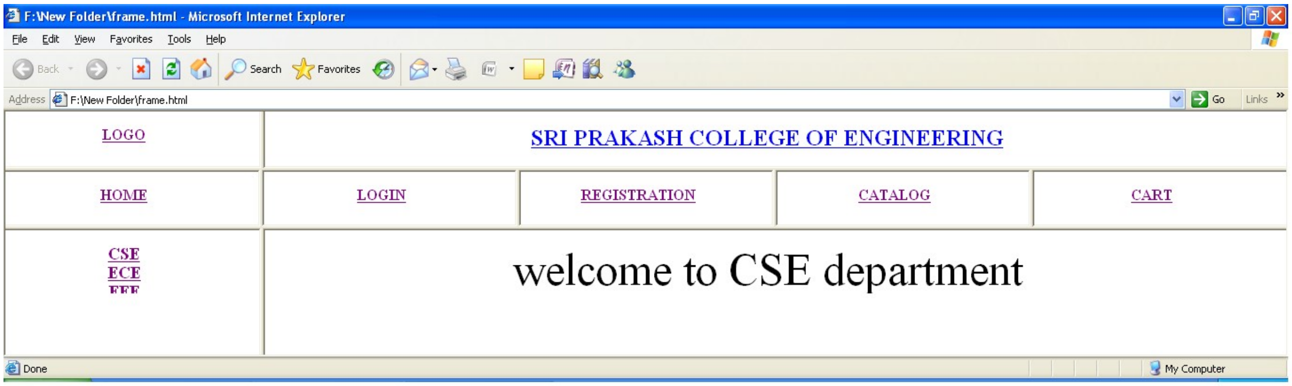
Registration page

username
password
E-mail id
phone number
Sex
Date of Birth 1 Jan 1985
Languages Known:- English □ Telugu □ Hindi □ Tamil □
Address

cse.html:

```
<center><font size=20>welcome to CSE department</font></center>
```

OUTPUT:


F:\New Folder\frame.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\frame.html
Go Links
Done
My Computer

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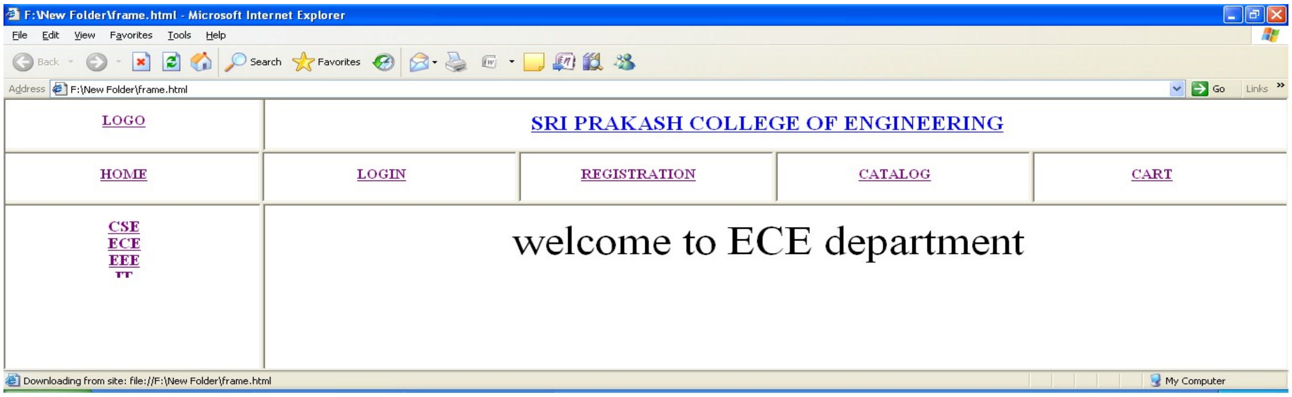
CSE
ECE
EEE

welcome to CSE department

ece.html:

```
<center><font size=20>welcome to ECE department</font></center>
```

OUTPUT:


F:\New Folder\frame.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\frame.html
Go Links
Downloading from site: file://F:\New Folder\frame.html
My Computer

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HOME | LOGIN | REGISTRATION | CATALOG | CART

CSE
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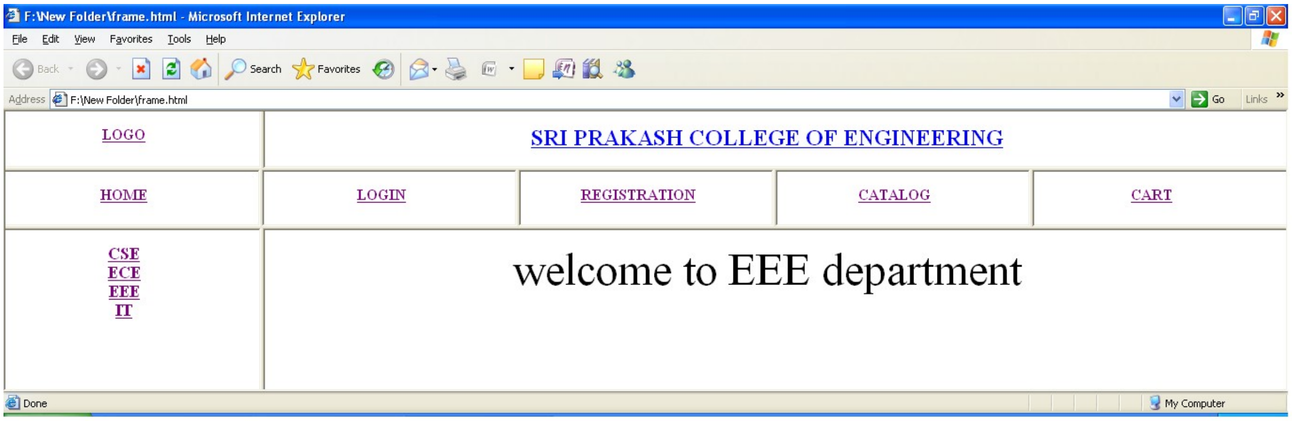
EEE
IT

welcome to ECE department

eee.html:

```
<center><font size=20>welcome to EEE department</font></center>
```

OUTPUT:



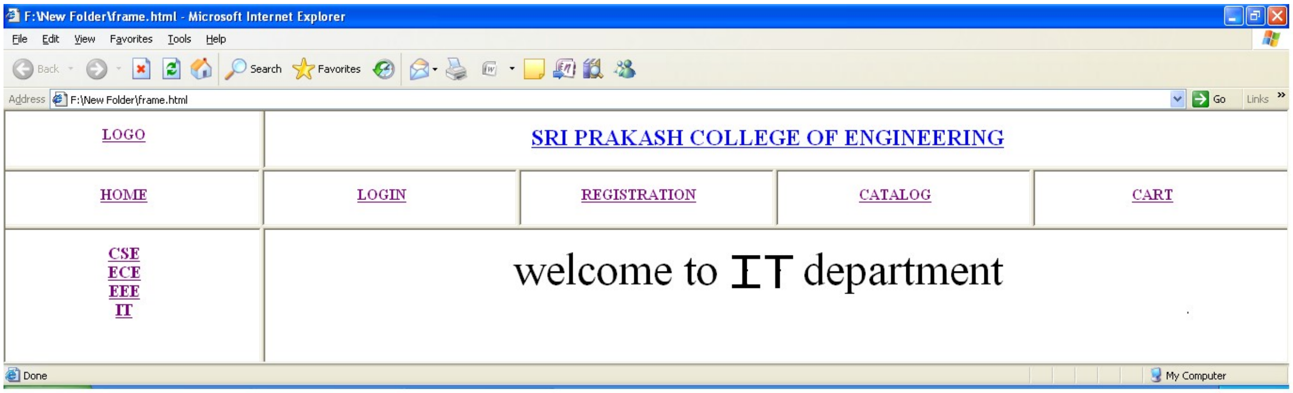
F:\New Folder\frame.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\frame.html
Go Links
LOGO
SRI PRAKASH COLLEGE OF ENGINEERING
HOME
LOGIN
REGISTRATION
CATALOG
CART
CSE
ECE
EEE
IT
Done
My Computer

welcome to EEE department

it.html:

```
<center><font size=20>welcome to IT department</font></center>
```

OUTPUT:



F:\New Folder\frame.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\frame.html
Go Links
LOGO
SRI PRAKASH COLLEGE OF ENGINEERING
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REGISTRATION
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Done
My Computer

welcome to IT department

RESULT: The program is verified and executed.

Experiment no:

AIM: Write JavaScript to validate the following fields of the above registration page.

1. Name (Name should contains alphabets and the length should not be less than 6 characters).
2. Password (Password should not be less than 6 characters length).
3. E-mail id (should not contain any invalid and must follow the standard pattern name@domain.com)
4. Phone number (Phone number should contain 10 digits only).

Note: you can also validate the login page with these parameters.

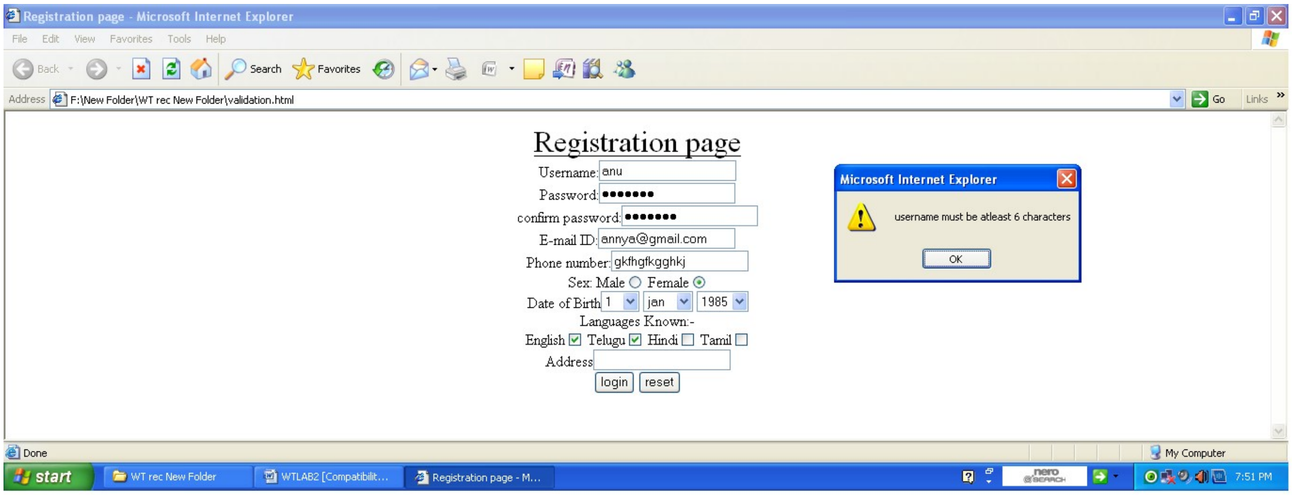
regs.html:

```
<html>
<head><title>Registration page</title></head>

        <script language="javascript">
        function validate()
        {
                fun1();             fun2();             fun3();             fun4();
        }

        function fun1()
        {
                var t=document.f1.un.value;
                var len=t.length;
                if(len==0)
                alert("enter the username");
                else if(len<6)
                alert("username must be atleast 6 characters");
                else
                {
                        for(i=1;i<=t.length;i++)
                        {
if(t.charAt(i)=='0'||t.charAt(i)=='1'||t.charAt(i)=='2'||t.charAt(i)=='3'||t.charAt(i)=='4'||t.charAt(i)=='5'||t.char
At(i)=='6'||t.charAt(i)=='7'||t.charAt(i)=='8'||t.charAt(i)=='9')
                                {
                                        alert("username should only consists of characters");
                                        break;
                                }
                        }
                        alert("user name is valid");
                }
        }
        function fun2()
        {
                        var p=document.f1.ps.value;
                        var cp=document.f1.cps.value;
                        var plen=p.length;
                        if(plen==0)
                                alert("enter the password");
                        else if(plen<6)
                                alert("password must be atleast 6 characters");
                        if(p!=cp)
                        {
                                alert("password and confirm password are mismatched");
        }
        else if(p==cp&&plen>=6)
        {
            alert("password is valid!");
        }
        else
            alert("password is invalid");
}
function fun3()
{
    var e=document.f1.em.value;
    var list=new Array();
    list[0]="@yahoo.com";
    list[1]="@gmail.com";
    list[2]="@yahoo.co.in";
    list[3]="@rocketmail.com";
    list[4]="@hotmail.com";
    list[5]="@rediffmail.com";
    if(e.length==0)
        alert("emter the E-mail id:");
    else
    {
        for(j=1;j<=e.length;j++)
        {
            if(e.charAt(j)=='@')
            {
                var sub=e.substr(j,e.length);
                for(a=0;a<list.length;a++)
                {
                if(sub==list[a])
                {
                        alert("E-mail is valid");
                        break;
                }
                else if(a==list.length-1)
                alert("E-mail is invalid");
            }
                break;
            }
            else if(j==e.length)
            alert("enter the E-mail as displayed example:name@xyz.com");
        }
    }
}
function fun4()
{
    var ph=document.f1.phn.value;
    var count=0;
    if(ph.length==0)
    alert("enter the phone number");
    else
    {
        for(b=0;b<ph.length;b++)
```

```
            {
if(ph.charAt(b)=='0'||ph.charAt(b)=='1'||ph.charAt(b)=='2'||ph.charAt(b)=='3'||ph.charAt(b)=='4'||ph.charAt(
b)=='5'||ph.charAt(b)=='6'||ph.charAt(b)=='7'||ph.charAt(b)=='8'||ph.charAt(b)=='9')
                {
                    count++;
                }
                else
                {
                    alert("enter only numbers");
                    break;
                }
            }
            if((ph.length==count)&&(ph.length==10))
                alert("phone number is valid!");
            else
                alert("phone number is invalid!");
        }
    }
</script>
<center>
    <form name="f1">
    <center><font size="6"><u> Registration page</u></font></center>
    Username:<input type="text" name="un"><br>
    Password:<input type="password" name="ps"><br>
    confirm password:<input type="password" name="cps"><br>
    E-mail ID:<input type="text" name="em"><br>
    Phone number:<input type="text" name="phn"><br>
    Sex: Male<input type="radio" name="sex" value="male"><t>
    Female<input type="radio" name="sex" value="female"><br>
    Date of Birth<select name="day" value="">
        <option>1</option>
        <option>2</option>
        <option>3</option>
        <option>4</option>
        <option>5</option>
        <option>6</option>
        <option>7</option>
        <option>8</option>
        <option>9</option>
        <option>10</option>
        <option>11</option>
        <option>12</option>
        <option>13</option>
        <option>14</option>
        <option>15</option>
        <option>16</option>
        <option>17</option>
        <option>18</option>
        <option>19</option>
        <option>20</option>
        <option>21</option>
        <option>22</option>
        <option>23</option>
```

```
                    <option>24</option>
                    <option>25</option>
                    <option>26</option>
                    <option>27</option>
                    <option>28</option>
                    <option>29</option>
                    <option>30</option>
                    <option>31</option>
          </select>
          <select>
                    <option>jan</option>
                    <option>feb</option>
                    <option>mar</option>
                    <option>apr</option>
                    <option>may</option>
                    <option>jun</option>
                    <option>jul</option>
                    <option>aug</option>
                    <option>sep</option>
                    <option>oct</option>
                    <option>nov</option>
                    <option>dec</option>
          </select>
          <select>
                    <option>1985</option>
                    <option>1986</option>
                    <option>1987</option>
                    <option>1988</option>
                    <option>1989</option>
                    <option>1990</option>
                    <option>1991</option>
                    <option>1992</option>
                    <option>1993</option>
                    <option>1994</option>
                    <option>1995</option>
          </select><br>
          <label>Languages Known:-</label><br>
          English<input type="checkbox" value="">
          Telugu<input type="checkbox" value="">
          Hindi<input type="checkbox" value="">
          Tamil<input type="checkbox" value=""><br>
          Address<input type="textarea" rows="5" rows="25"><br>
          <input type="button" value="login" onclick="validate()">
          <input type="button" value="reset">
          </form>
          </center>
          </body>
</html>
```

OUTPUT:


Registration page - Microsoft Internet Explorer

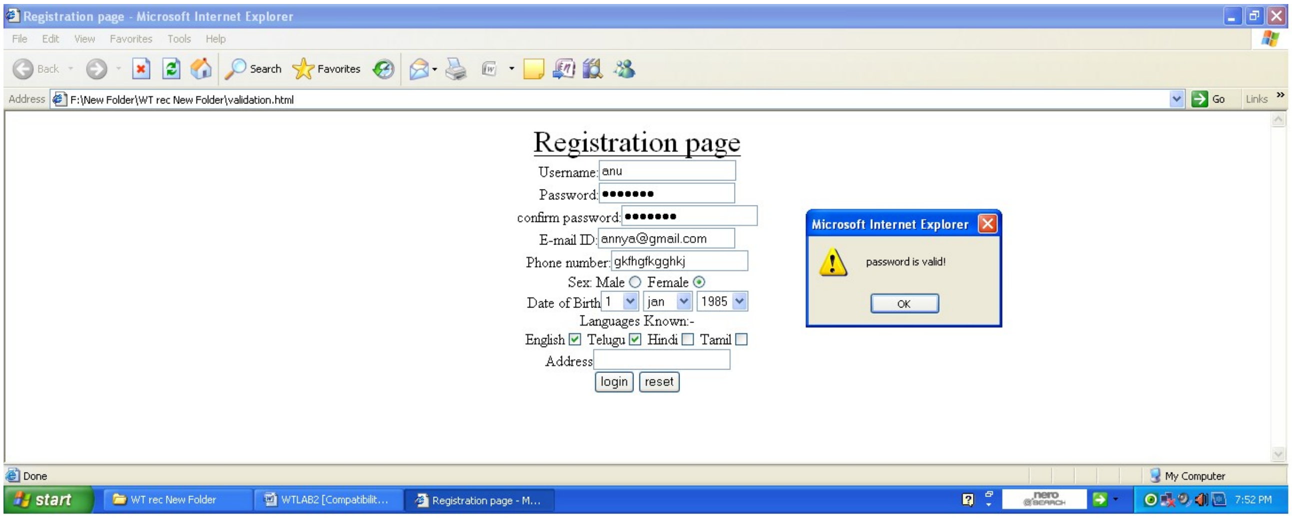
Address F:\New Folder\WT rec New Folder\validation.html

Registration page

Username: anu
Password: •••••••
confirm password: •••••••
E-mail ID: annya@gmail.com
Phone number: gkfhgfkgghkj
Sex: Male ○ Female ●
Date of Birth 1 jan 1985
Languages Known:-
English ☑ Telugu ☑ Hindi □ Tamil □
Address

Microsoft Internet Explorer

username must be atleast 6 characters


Registration page - Microsoft Internet Explorer

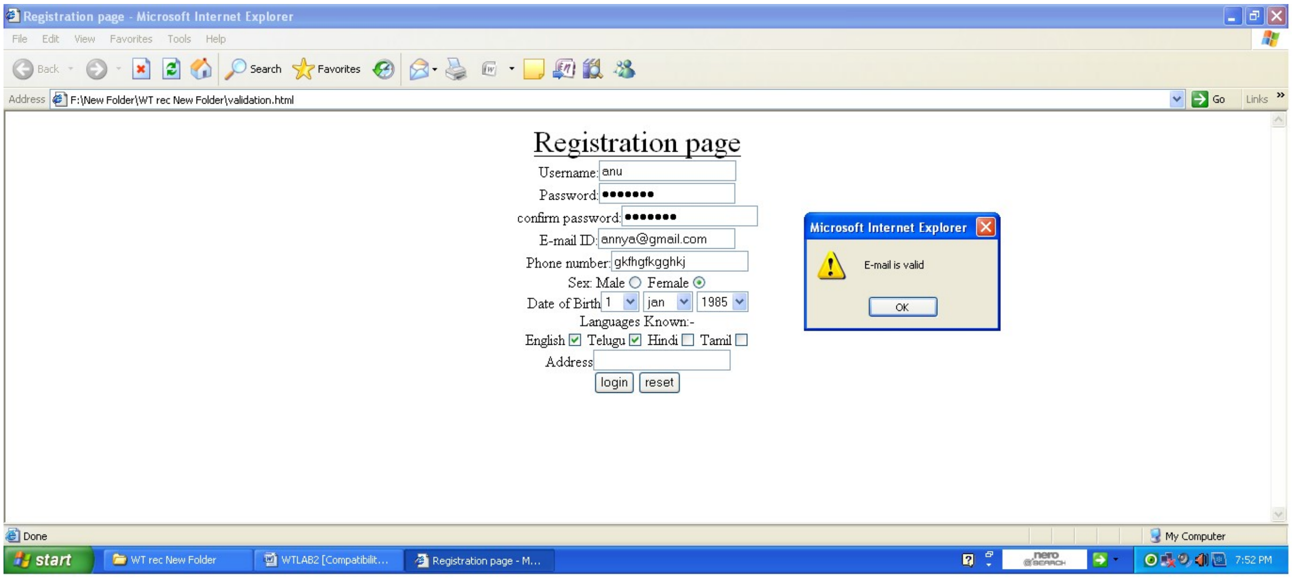
Address F:\New Folder\WT rec New Folder\validation.html

Registration page

Username: anu
Password: •••••••
confirm password: •••••••
E-mail ID: annya@gmail.com
Phone number: gkfhgfkgghkj
Sex: Male ○ Female ●
Date of Birth 1 jan 1985
Languages Known:-
English ☑ Telugu ☑ Hindi □ Tamil □
Address

Microsoft Internet Explorer

password is valid!


Registration page - Microsoft Internet Explorer

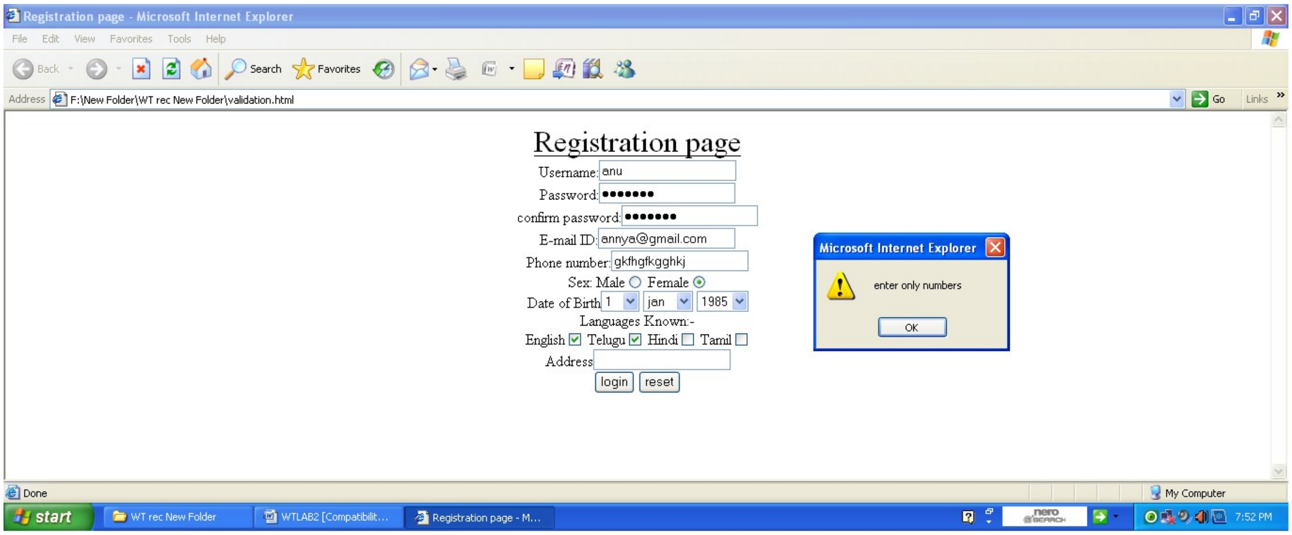
Address F:\New Folder\WT rec New Folder\validation.html

Registration page

Username: anu
Password: •••••••
confirm password: •••••••
E-mail ID: annya@gmail.com
Phone number: gkfhgfkgghkj
Sex: Male ○ Female ●
Date of Birth 1 jan 1985
Languages Known:-
English ☑ Telugu ☑ Hindi □ Tamil □
Address

Microsoft Internet Explorer

E-mail is valid

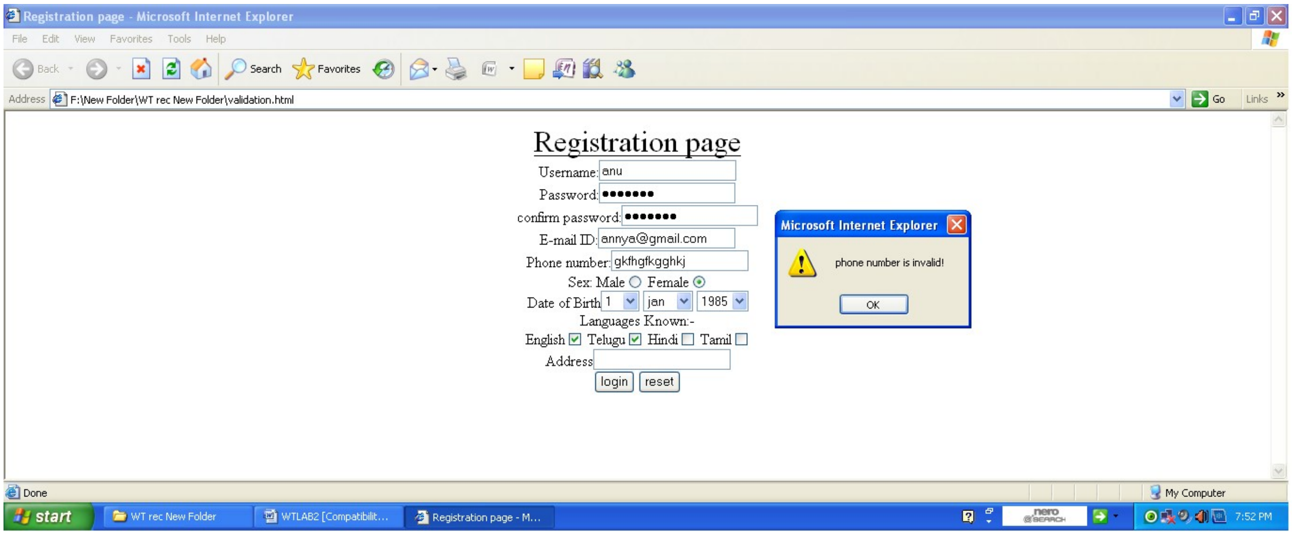

Registration page - Microsoft Internet Explorer

Address F:\New Folder\WT rec New Folder\validation.html

Registration page

Username: anu
Password: •••••••
confirm password: •••••••
E-mail ID: annya@gmail.com
Phone number: gkfhgfkgghkj
Sex: Male ○ Female ●
Date of Birth 1 jan 1985
Languages Known:-
English ☑ Telugu ☑ Hindi □ Tamil □
Address
login reset

Microsoft Internet Explorer
enter only numbers
OK


Registration page - Microsoft Internet Explorer

Address F:\New Folder\WT rec New Folder\validation.html

Registration page

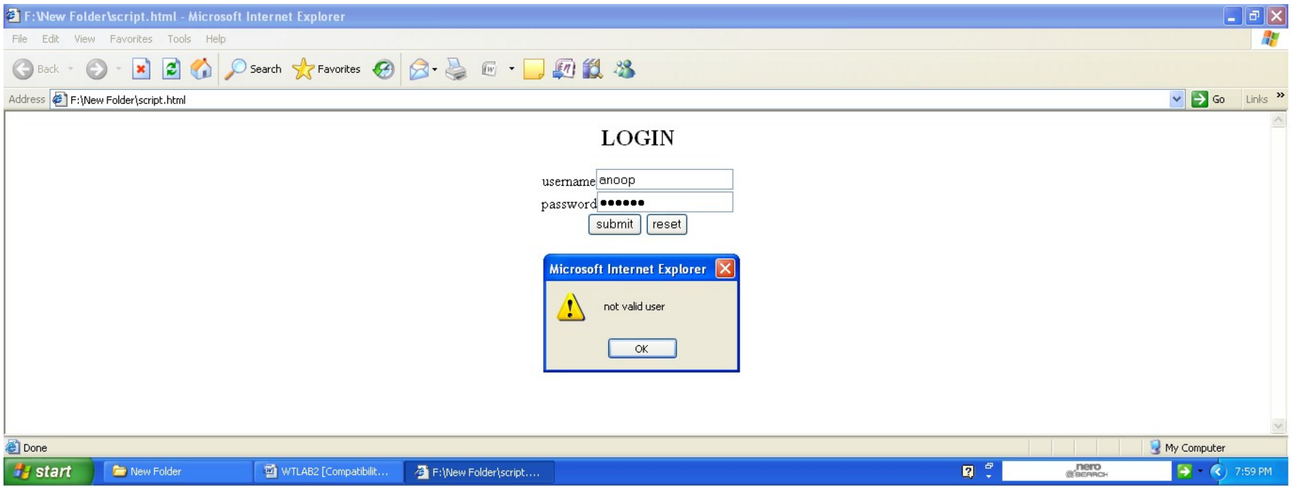
Username: anu
Password: •••••••
confirm password: •••••••
E-mail ID: annya@gmail.com
Phone number: gkfhgfkgghkj
Sex: Male ○ Female ●
Date of Birth 1 jan 1985
Languages Known:-
English ☑ Telugu ☑ Hindi □ Tamil □
Address
login reset

Microsoft Internet Explorer
phone number is invalid!
OK

login.html:

```
<center>
        <label><b><font size=5>LOGIN</font> </b></label>
        <form name="f1">
                Username<input type="text" name="t1"><br>
                Password<input type="password" name="t2"><br>
                <input type="button" value="submit" onclick="valid()">
                <input type="button" value="reset" onclick="valid()">
        </form>
        <script language="javascript">
        function valid()
        {
                var s1=document.f1.t1.value;
                var s2=document.f1.t2.value;
                if(s1==s2)
                        alert("valid user");
                else
                        alert("not valid user");
        }
        </script>
</center>
```

OUTPUT:



F:\New Folder\script.html - Microsoft Internet Explorer

Address F:\New Folder\script.html

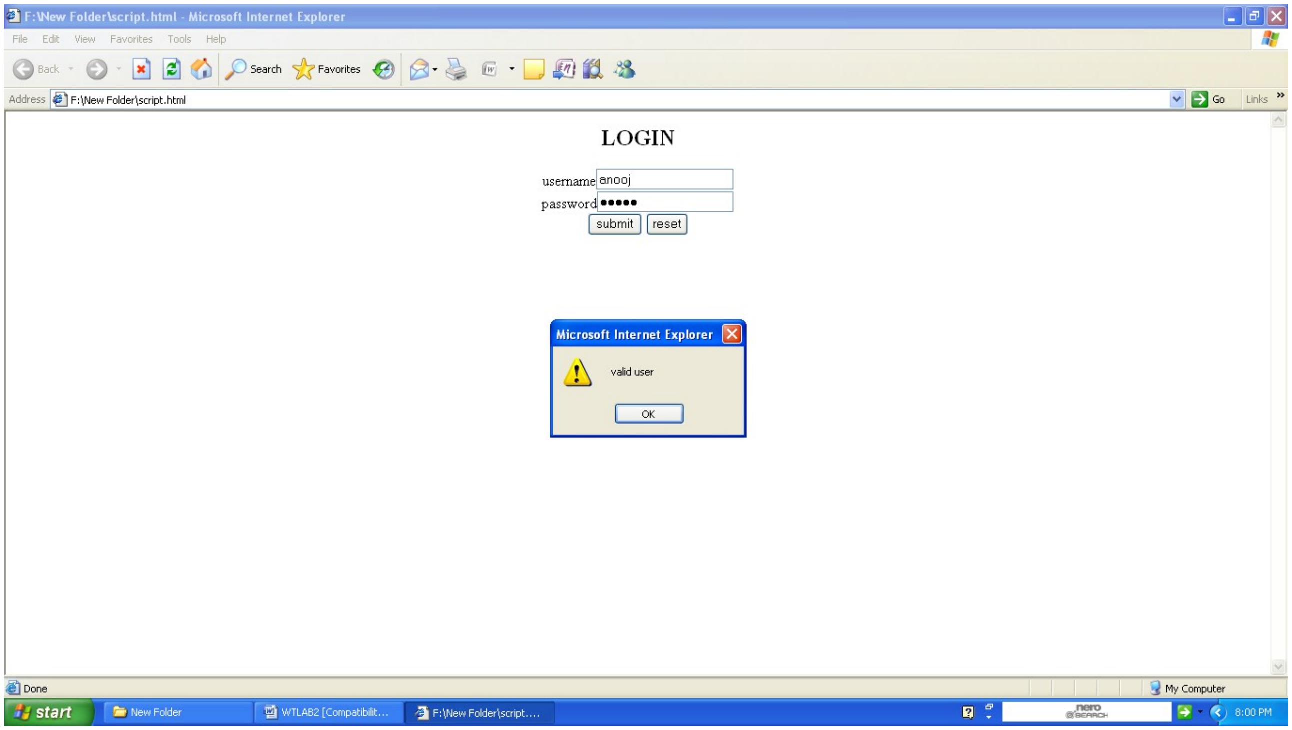
LOGIN

username anoop

password ••••••

Microsoft Internet Explorer

not valid user



F:\New Folder\script.html - Microsoft Internet Explorer

Address F:\New Folder\script.html

LOGIN

username anooj

password •••••

Microsoft Internet Explorer

valid user

RESULT: This program is verified and executed.

Experiment no:
AIM:

Design a web page using **CSS (C**ascading **S**tyle **S**heets**)** which includes the following:
1) Use different font, styles:
In the style definition you define how each selector should work (font, color etc.).
Then, in the body of your pages, you refer to these selectors to activate the styles.
2) Set a background image for both the page and single elements on the page.
You can define the background image for the page like this:
3) Control the repetition of the image with the background-repeat property.
As background-repeat: repeat
Tiles the image until the entire page is filled, just like an ordinary background image in plain HTML.
4) Define styles for links as

A: link
A: visited
A: active
A: hover

Example:

```
<style type="text/css">
A: link {text-decoration: none}
A: visited {text-decoration: none}
A: active {text-decoration: none}
A: hover {text-decoration: underline; color: red;}
</style>
```

5) Work with layers:

```
<div style="position: relative; font-size:50px; z-index:2;">LAYER 1</div>
<div style="position: relative; top:-50; left:5; color:red; font-size:80px; zindex:
1">LAYER 2</div>
LAYER 2 ON TOP:
<div style="position:relative; font-size:50px; z-index:3;">LAYER 1</div>
<div style="position:relative; top:-50; left:5; color:red; font-size:80px; zindex:
4">LAYER 2</div>
```

6) Add a customized cursor:

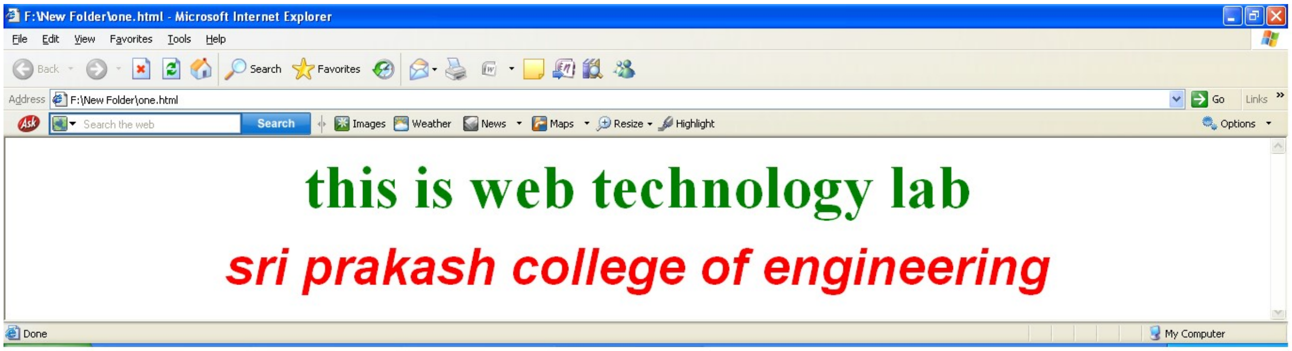
Selector {cursor:value}

SOUREC CODE:

one.html:-

```
<html>
<head>
<style type="text/css">
p{color:green;font-size:65px;font-family:times new roman}
q{color:red;font-size:54px;font-family:arial}
</style>
</head>
<body>
<center>
<p><b> this is web technology lab<b></p>
<q><i> sri prakash college of engineering<i> </q>
</center>
</body>
</html>
```

OUTPUT:


F:\New Folder\one.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\one.html
Go Links
Search the web Search Images Weather News Maps Resize Highlight Options
Done
My Computer

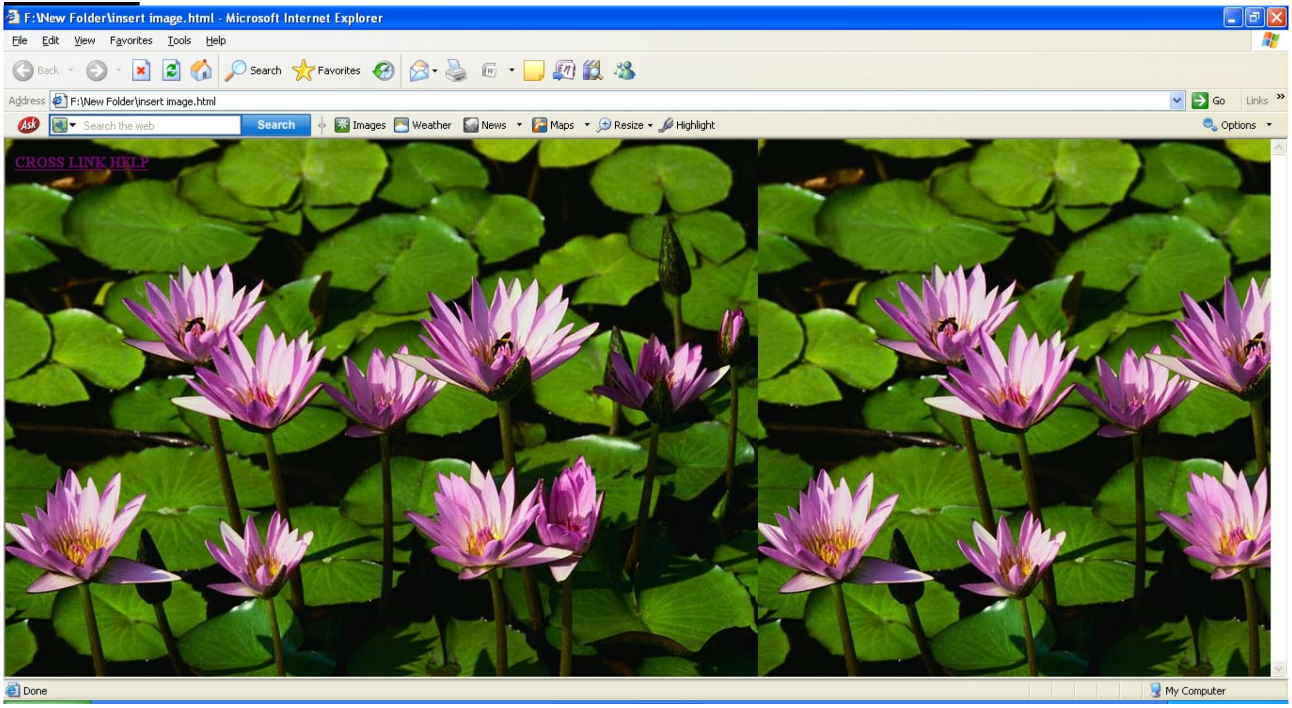
this is web technology lab

sri prakash college of engineering

insert image.html:

```
<html>
<head>
<style type="text/css">
.xlink{cursor:crosshair}
.ylink{cursor:help}
body{background-image:url(Water lilies.jpg);}
</style>
</head>
<body>

<b><a href="mypage.html" class="xlink">CROSS LINK</a>
<a href="mypage1.html" class="ylink">HELP</a></b>

</body>
</html>
```

OUTPUT:

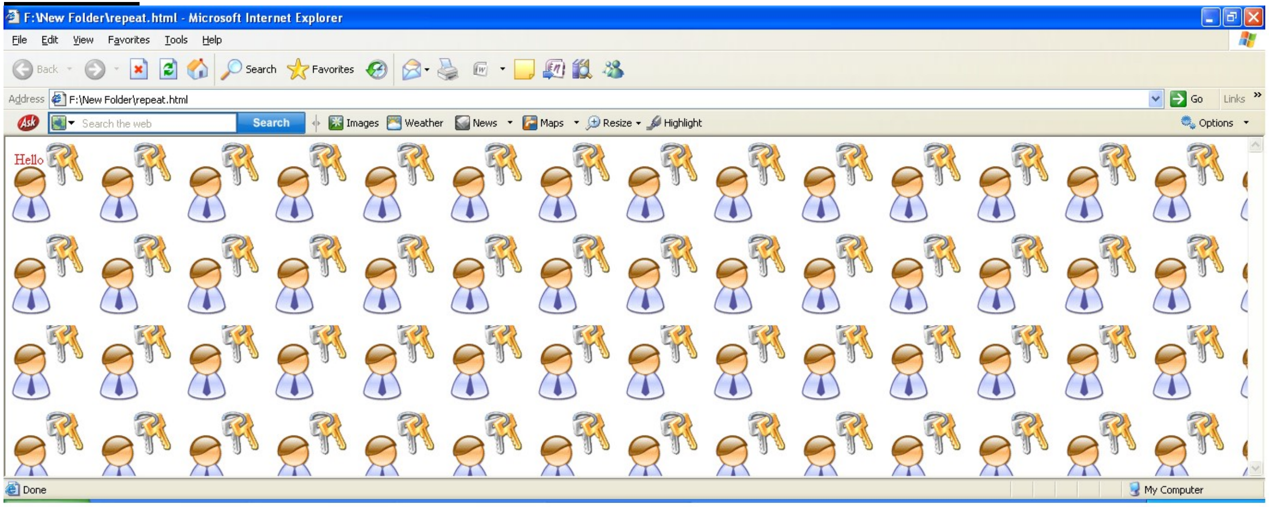

F:\New Folder\insert image.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\insert image.html
Go Links
Search the web Search Images Weather News Maps Resize Highlight Options
Done
My Computer

CROSS LINK HELP

repeat.html:

```
<html>
<head>
<style type="text/css">
body{background-repeat:repeat;color:red}
</style>
</head>
<body background="a.jpg">
<p> Hello </p>
</body>
</html>
```

OUTPUT:

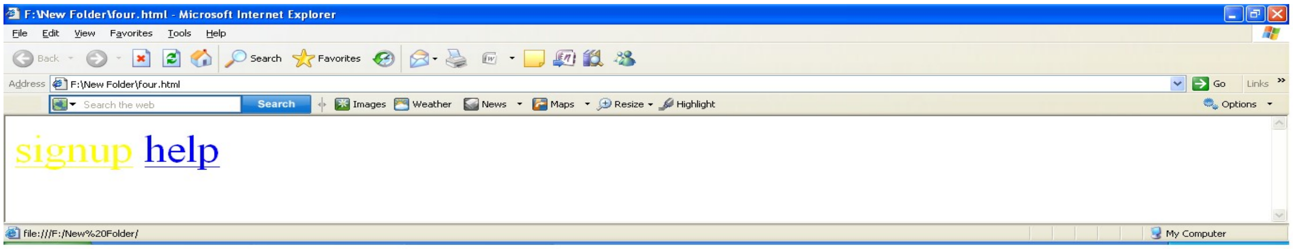

F:\New Folder\repeat.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\repeat.html
Go Links
Search the web Search Images Weather News Maps Resize Highlight Options
Done
My Computer

Hello

four.html:

```
<html>
<head>
<style type="text/css">
A:link{color:red}              A:visited{color:blue}
A:active{color:green}          A:hover{color:yellow}
</style>
</head>
<body>
<font size=10>      <a href=" ">signup</a>      <a href=" ">help</a>          </font>
</body>
</html>
```

OUTPUT:

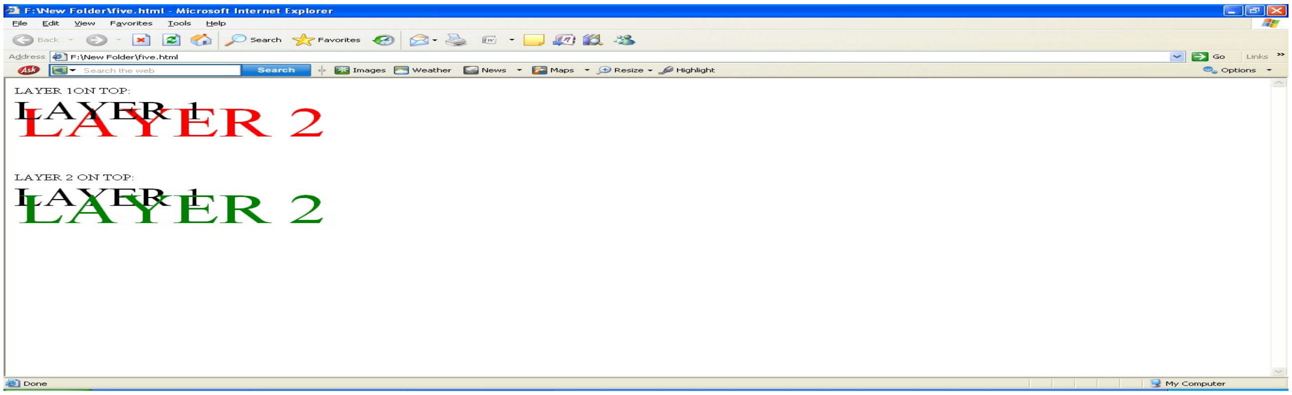

F:\New Folder\four.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\four.html
Go Links
Search the web Search Images Weather News Maps Resize Highlight Options
file:///F:/New%20Folder/
My Computer

signup help

<u>five.html:</u>

```
<html>
<head>
LAYER 1 ON TOP: <div style="position:relative;font-size:50px;z-index:2;">LAYER 1</div>
<div style="position:relative;top:-50;left:5;color:red;font-size:80px;z-index:1">LAYER 2</div>

LAYER 2 ON TOP: <div style="position:relative;font-size:50px;z-index:3;">LAYER 1</div>
<div style="position:relative;top:-50;left:5;color:green;font-size:80px;z-index:4">LAYER 2</div>
</head>
</html>
```

<u>OUTPUT:</u>


F:\New Folder\five.html - Microsoft Internet Explorer

Address F:\New Folder\five.html

LAYER 1ON TOP:
LAYER 1
LAYER 2

LAYER 2 ON TOP:
LAYER 1
LAYER 2

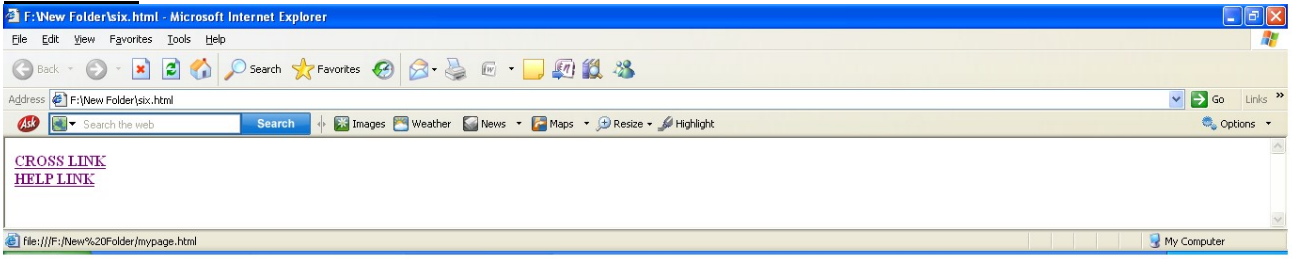
Done

My Computer

<u>six.html:</u>

```
<html>
<head>
<style type="text/css">
.xlink{cursor:crosshair}
.ylink{cursor:help}
</style>
</head>
<body>
<b><a href="mypage.html" class="xlink">CROSS LINK</a><br>
<a href="mypage1.html" class="ylink">HELP LINK</a></b>
</body>
</html>
```

<u>OUTPUT:</u>


F:\New Folder\six.html - Microsoft Internet Explorer

Address F:\New Folder\six.html

CROSS LINK
HELP LINK

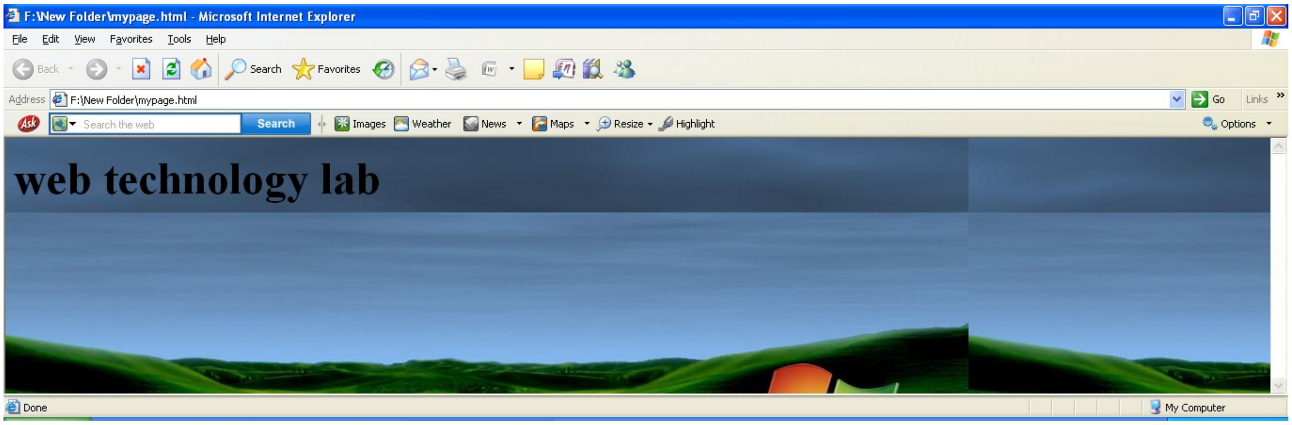
file:///F:/New%20Folder/mypage.html

My Computer

mypage.html:

```
<html>
<head>
<style type="text/css">
BODY {background-image:url(F:\New Folder\images\vista-windows-wallpaper.jpg);}
</style>
</head>
<body>
<font size=20> <b>web technology lab</b></font>  </body>
</html>
```

OUTPUT:

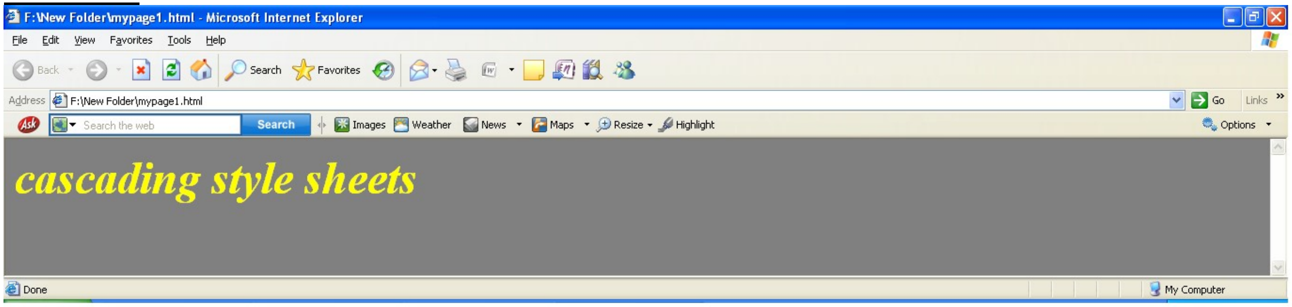

F:\New Folder\mypage.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\mypage.html
Go Links
Search the web Search Images Weather News Maps Resize Highlight Options
Done
My Computer

web technology lab

mypage1.html:

```
<html>
<body bgcolor="gray" text="yellow">
<font size=25;font family:times new roman><b><i> cascading style sheets </i></b></font>
</body>
</html>
```

OUTPUT:


F:\New Folder\mypage1.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address F:\New Folder\mypage1.html
Go Links
Search the web Search Images Weather News Maps Resize Highlight Options
Done
My Computer

cascading style sheets

RESULT: The program is verified and executed.

Experiment no:
AIM:

Write an XML file which will display the book information which includes the following

a. Title of the book.	b. Authors name.
c. ISBN number.	d. Publisher name.
e. Edition.	f. Price.

Write a DTD to validate the above XML file as follows.
The contents should be displayed in a table. The header of the table should be in color GREY. And the Author name column should be displayed in one color and should be capitalized and in bold, Use your own colors for remaining columns. Use XML schemas XSL and CSS for above purpose.

Internal DTD:

week5.xml:

```
<?xml version="1.0"?>
<?xml:stylesheet type="text/xsl" href="week5.xsl"?>
<!DOCTYPE Books[
<!ELEMENT Books (book)*>
  <!ELEMENT book (Title,Author,ISBN,Publisher,Edition,Price)>
    <!ELEMENT Title (#PCDATA)>
    <!ELEMENT Author (#PCDATA)>
    <!ELEMENT ISBN (#PCDATA)>
    <!ELEMENT Publisher (#PCDATA)>
    <!ELEMENT Edition (#PCDATA)>
    <!ELEMENT Price (#PCDATA)>
]>
<Books>

<book>
<Title>web technologies</Title>
<Author>CHRIS BATES</Author>
<ISBN>81-265-0272-X</ISBN>
<Publisher>WILEYDreamtech</Publisher>
<Edition>second</Edition>
<Price>329</Price>
</book>

<book>
<Title>ACA</Title>
<Author>SRINIVAS</Author>
<ISBN></ISBN>
<Publisher>PROFI</Publisher>
<Edition>fourth</Edition>
<Price>280</Price>
</book>

<book>
<Title>Network programming</Title>
<Author>STRSENCE</Author>
<ISBN>81-7758-372-7</ISBN>
```

```
<Publisher>Pearson</Publisher>
<Edition>Low Price</Edition>
<Price>350</Price>
</book>

<book>
<Title>NMS</Title>
<Author>MANI SUBRAMANIUM</Author>
<ISBN></ISBN>
<Publisher>wiley dreamtech</Publisher>
<Edition>third</Edition>
<Price>425</Price>
</book>

<book>
<Title>data mining</Title>
<Author>MICHELINE KAMBER</Author>
<ISBN>81-8147-049-4</ISBN>
<Publisher>harcout</Publisher>
<Edition>third</Edition>
<Price>345</Price>
</book>

</Books>
```

week5.xsl:

```
<?xml version="1.0"?>
<xsl:stylesheet xmlns:xsl="uri:xsl">
<xsl:template match="/">

<html>
<body>
<h1> Book of CSE </h1>
<xsl:for-each select="Books">
<table border="1">
<tr>
<th colspan="6" style="background-color:grey;text-align:center;font-size:35;">Books </th>
</tr>

<tr  style="color:blue;fontsize:30;text-align:center;">
<td>Title</td>
<td>Author</td>
<td>ISBN</td>
<td>Publisher</td>
<td>Edition</td>
<td>Price</td>
</tr>

<xsl:for-each select="book">
<tr>
<td style="background-color:pink;font-size:20;text-align:center;"><xsl:value-of select="Title"/></td>
<td style="background-color:orange;font-size:20;text-align:center;"><xsl:value-of select="Author"/></td>
<td style="background-color:violet;font-size:20;text-align:center;"><xsl:value-of select="ISBN"/></td>
```

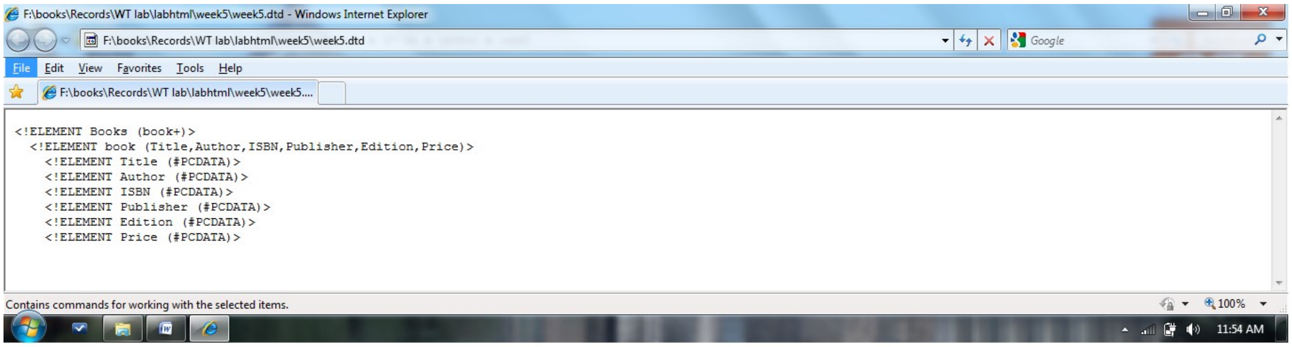
```
<td style="background-color:yellow;font-size:20;text-align:center;"><xsl:value-of select="Publisher"/></td>
<td style="background-color:lavender;font-size:20;text-align:center;"><xsl:value-of select="Edition"/></td>
<td style="background-color:green;font-size:20;text-align:center;"><xsl:value-of select="Price"/></td>
</tr>

</xsl:for-each>
</table>
</xsl:for-each>
</body>
</html>
</xsl:template>
</xsl:stylesheet>
```

External DTD:

week5.dtd:

```
<!ELEMENT Books (book+)>
   <!ELEMENT book (Title,Author,ISBN,Publisher,Edition,Price)>
   <!ELEMENT Title (#PCDATA)>
   <!ELEMENT Author (#PCDATA)>
   <!ELEMENT ISBN (#PCDATA)>
   <!ELEMENT Publisher (#PCDATA)>
   <!ELEMENT Edition (#PCDATA)>
   <!ELEMENT Price (#PCDATA)>
```

OUTPUT:


F:\books\Records\WT lab\labhtml\week5\week5.dtd - Windows Internet Explorer
F:\books\Records\WT lab\labhtml\week5\week5.dtd
Google
File Edit View Favorites Tools Help
F:\books\Records\WT lab\labhtml\week5\week5....
Contains commands for working with the selected items.
100%
11:54 AM

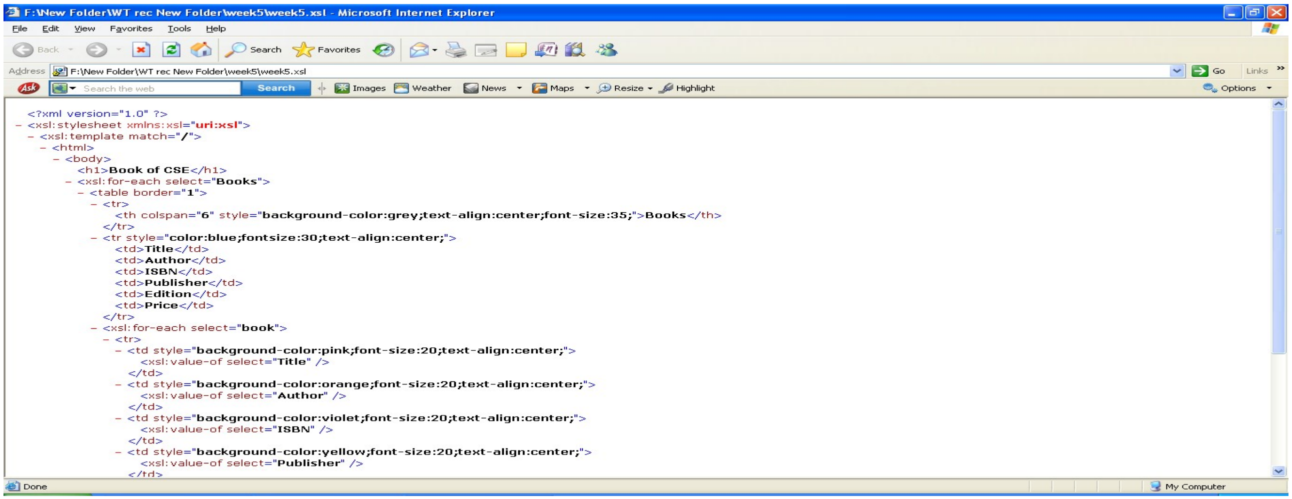
```
<!ELEMENT Books (book+)>
  <!ELEMENT book (Title,Author,ISBN,Publisher,Edition,Price)>
    <!ELEMENT Title (#PCDATA)>
    <!ELEMENT Author (#PCDATA)>
    <!ELEMENT ISBN (#PCDATA)>
    <!ELEMENT Publisher (#PCDATA)>
    <!ELEMENT Edition (#PCDATA)>
    <!ELEMENT Price (#PCDATA)>
```

week5.xsl:

```
<?xml version="1.0"?>
<xsl:stylesheet xmlns:xsl="uri:xsl">
<xsl:template match="/">
<html>
<body>
<h1> Book of CSE </h1>

<xsl:for-each select="Books">
<table border="1">
<tr>
<th colspan="6" style="background-color:grey;text-align:center;font-size:35;">Books  </th>
```

```
</tr>

<tr  style="color:blue;fontsize:20;text-align:center;">
<td>Title</td>
<td>Author</td>
<td>ISBN</td>
<td>Publisher</td>
<td>Edition</td>
<td>Price</td>
</tr>

<xsl:for-each select="book">
<tr>
<td style="background-color:pink;font-size:20;text-align:center;"><xsl:value-of select="Title"/></td>
 <td style="background-color:orange;font-size:20;text-align:center;">
<xsl:value-of select="Author"/></td>

<td style="background-color:violet;font-size:20;text-align:center;">
<xsl:value-of select="ISBN"/></td>

 <td style="background-color:yellow;font-size:20;text-align:center;">
<xsl:value-of select="Publisher"/></td>

<td style="background-color:lavender;font-size:20;text-align:center;">
<xsl:value-of select="Edition"/></td>

<td style="background-color:green;font-size:20;text-align:center;"><xsl:value-of select="Price"/></td>
</tr>

</xsl:for-each>
</table>
</xsl:for-each>
</body>
</html>
</xsl:template>
</xsl:stylesheet>
```

OUTPUT:

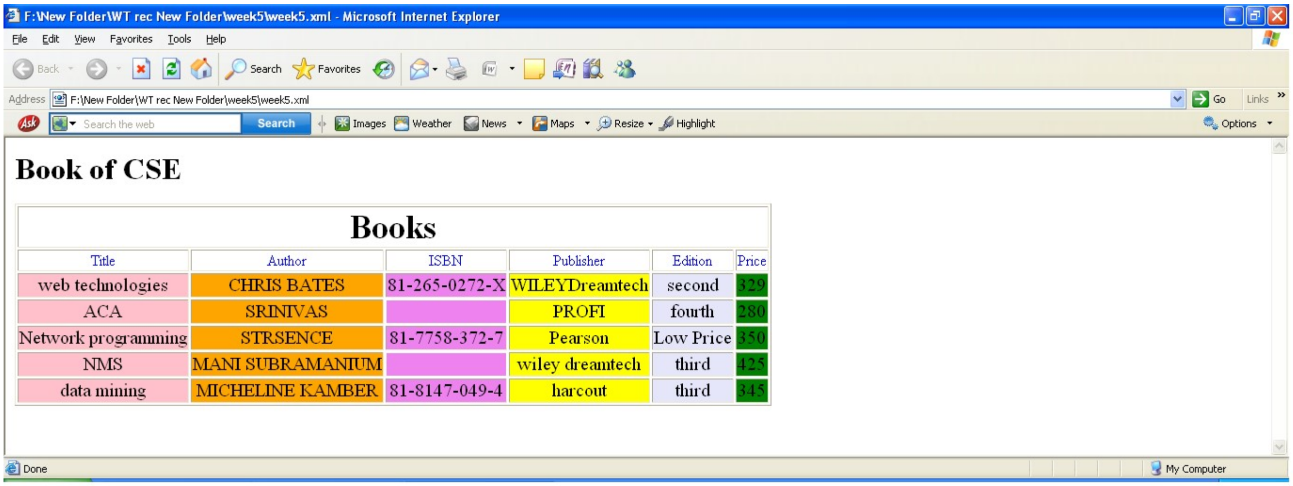


```
  <?xml version="1.0" ?>
- <xsl:stylesheet xmlns:xsl="uri:xsl">
  - <xsl:template match="/">
    - <html>
      - <body>
          <h1>Book of CSE</h1>
        - <xsl:for-each select="Books">
          - <table border="1">
            - <tr>
                <th colspan="6" style="background-color:grey;text-align:center;font-size:35;">Books</th>
              </tr>
            - <tr style="color:blue;fontsize:30;text-align:center;">
                <td>Title</td>
                <td>Author</td>
                <td>ISBN</td>
                <td>Publisher</td>
                <td>Edition</td>
                <td>Price</td>
              </tr>
            - <xsl:for-each select="book">
              - <tr>
                - <td style="background-color:pink;font-size:20;text-align:center;">
                    <xsl:value-of select="Title" />
                  </td>
                - <td style="background-color:orange;font-size:20;text-align:center;">
                    <xsl:value-of select="Author" />
                  </td>
                - <td style="background-color:violet;font-size:20;text-align:center;">
                    <xsl:value-of select="ISBN" />
                  </td>
                - <td style="background-color:yellow;font-size:20;text-align:center;">
                    <xsl:value-of select="Publisher" />
                  </td>
```

week5.xml:

```
<?xml version="1.0"?>
<!DOCTYPE Books SYSTEM "week5.dtd">
<?xml:stylesheet type="text/xsl" href="week5.xsl"?>
<Books>

<book>
 <Title>web technologies</Title>
<Author>CHRIS BATES</Author>
<ISBN>81-265-0272-X</ISBN>
<Publisher>WILEYDreamtech</Publisher>
<Edition>second</Edition>
<Price>329</Price>
 </book>

<book>
<Title>ACA</Title>
<Author>SRINIVAS</Author>
<ISBN></ISBN>
<Publisher>PROFI</Publisher>
<Edition>fourth</Edition>
<Price>280</Price>
 </book>

<book>
<Title>Network programming</Title>
<Author>STRSENCE</Author>
<ISBN>81-7758-372-7</ISBN>
<Publisher>Pearson</Publisher>
<Edition>Low Price</Edition>
<Price>350</Price>
 </book>

<book>
<Title>NMS</Title>
<Author>MANI SUBRAMANIUM</Author>
<ISBN></ISBN>
<Publisher>wiley dreamtech</Publisher>
<Edition>third</Edition>
<Price>425</Price>
 </book>

<book>
<Title>data mining</Title>
<Author>MICHELINE KAMBER</Author>
<ISBN>81-8147-049-4</ISBN>
<Publisher>harcout</Publisher>
<Edition>third</Edition>
<Price>345</Price>
</book>

</Books>
```

OUTPUT:


F:\New Folder\WT rec New Folder\week5\week5.xml - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Search
Favorites
Address
F:\New Folder\WT rec New Folder\week5\week5.xml
Go
Links
Search the web
Search
Images
Weather
News
Maps
Resize
Highlight
Options
Done
My Computer

Book of CSE

Books					
Title	Author	ISBN	Publisher	Edition	Price
web technologies	CHRIS BATES	81-265-0272-X	WILEYDreamtech	second	329
ACA	SRINIVAS		PROFI	fourth	280
Network programming	STRSENCE	81-7758-372-7	Pearson	Low Price	350
NMS	MANI SUBRAMANIUM		wiley dreamtech	third	425
data mining	MICHELINE KAMBER	81-8147-049-4	harcout	third	345

RESULT: The program is verified and executed.

Experiment no:
AIM:

VISUAL BEANS:
Create a simple visual bean with a area filled with a color. The shape of the area depends on the property shape. If it is set to true then the shape of the area is Square and it is Circle, if it is false. The color of the area should be changed dynamically for every mouse click. The color should also be changed if we change the color in the “property window “.

Source code:
vbean.java:

```
package sunw.demo.week6;
import java.awt.*;
import java.awt.event.*;
public class vbean extends Canvas
{
transient private Color color;
private boolean square;
public vbean()
{
addMouseListener(new MouseAdapter()
{
public void mousePressed(MouseEvent me)
{
change();
}
});
square=false;
setSize(200,200);
change();
}
public boolean getSquare(){   return square;  }
public void setSquare(boolean flag){ this.square=flag;         repaint();         }
public void change(){ color=randomColor(); repaint();         }

private Color randomColor()
{
int r=(int)(255*Math.random());
int g=(int)(255*Math.random());
int b=(int)(255*Math.random());
return new Color(r,g,b);
}
public void paint(Graphics g)
{
Dimension d=getSize();
int h=d.height;
int w=d.width;
g.setColor(color);
if(square) {g.fillRect(0,0,w-1,h-1);}
else{g.fillOval(0,0,w-1,h-1);}

}
}
```

colors.mft:

```
Name: sunw/demo/week6/vbean.class
Java-Bean: True
```

Command Prompt Instructions Steps for executing Vbean program:

1. Create a folder “week6” at “C:\bdk\demo\sunw\demo\week6”.
2. Create a file vbean.java at “C:\bdk\demo\sunw\demo\week6” and compile the file their.

```
C:\bdk\demo\sunw\demo\week6>javac vbean.java
C:\bdk\demo\sunw\demo\week6>
```

3. Copy colors.mft file to “C:\bdk\demo”.

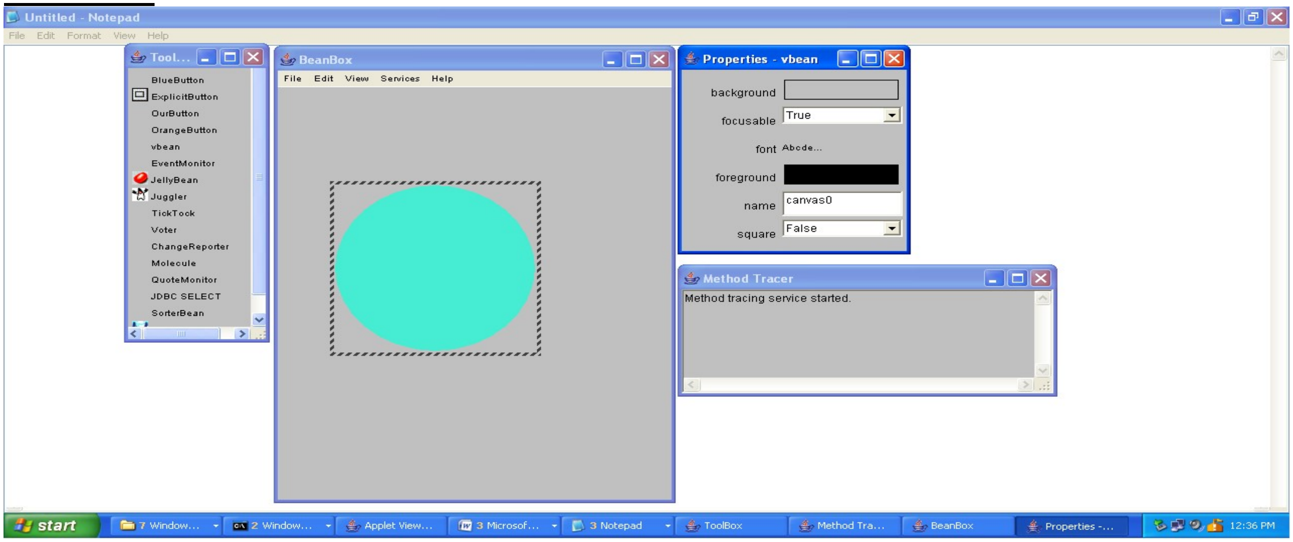
Colors.mft:

```
Name: sunw/demo/week6/vbean.class
Java-Bean: True
```

4.
```
C:\bdk\demo>jar cfm  ..\jars\colors4.jar colors.mft  sunw\demo\week6\*.class
C:\bdk\demo>
```

5. C:\bdk\beanbox\run.bat.

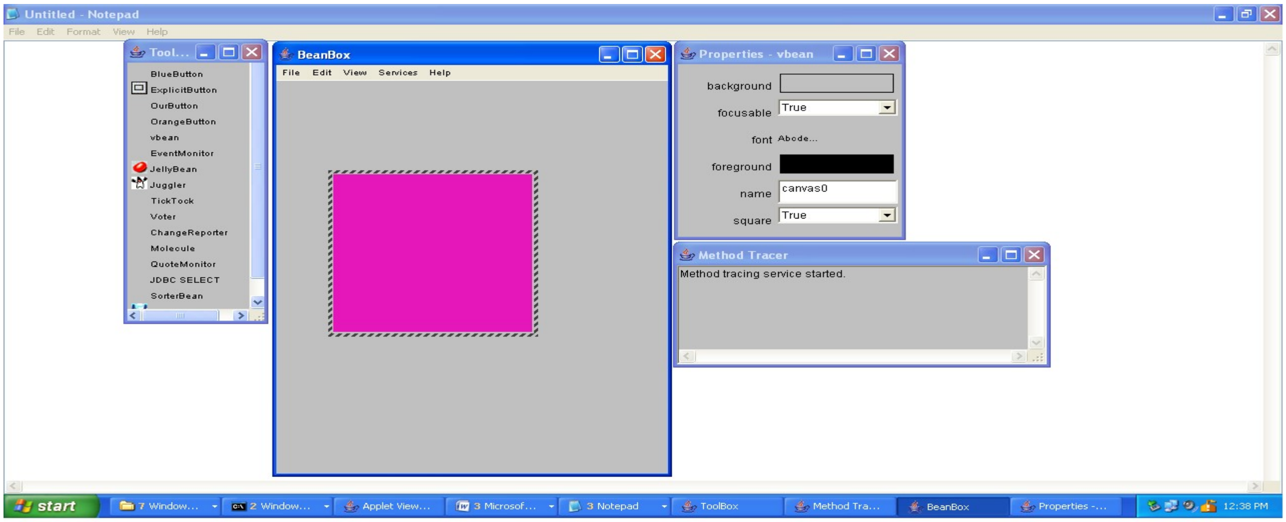
OUTPUT1:



background
focusable True
font Abcde...
foreground
name canvas0
square False

Method tracing service started.

OUTPUT2:



background
focusable True
font Abcde...
foreground
name canvas0
square True

Method tracing service started.

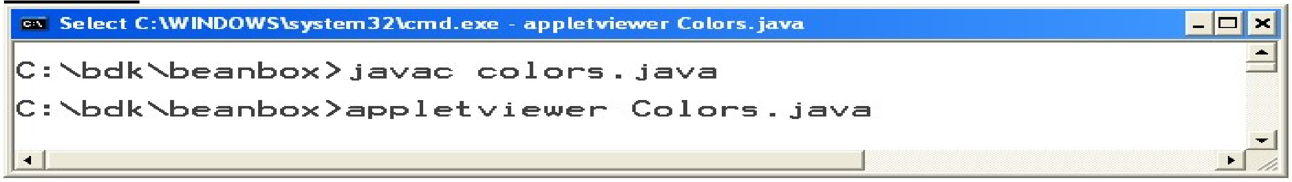
APPLETVIEWER:

Create a simple visual bean with a area filled with a color. The shape of the area depends on the property shape. If it is set to true then the shape of the area is Square and it is Circle, if it is false. The color of the area should be changed dynamically for every mouse click. The color should also be changed if we change the color in the “property window “.

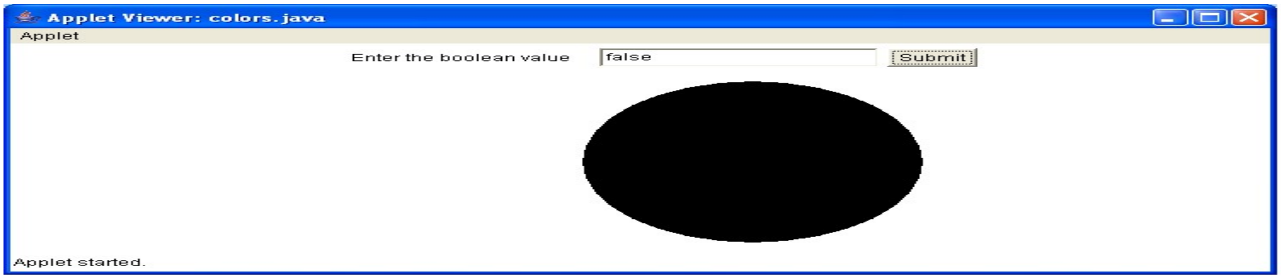
Colors.java:

```
import java.applet.*;
import java.awt.*;
import java.awt.event.*;
import java.io.*;
/* <applet code="colors.java" width=200 height=300></applet> */
public class colors extends Applet implements ActionListener
{
 private Color color;
 private boolean shape;
 Label l;
 TextField tf;
 Button b;
 public void init()
  {
l=new Label("Enter the boolean value");
tf=new TextField(20);
b=new Button("Submit");
add(l);
add(tf);
add(b);
b.addActionListener(this);

addMouseListener(new MouseAdapter()
      {
public void mousePressed(MouseEvent me)
 { change(); }
 });
 }
 public void actionPerformed(ActionEvent ae)
 {
String str=ae.getActionCommand();
if(str.equals("Submit"))
{
 String str1=tf.getText();
if(str1.equals("true"))
{
shape=true;
repaint();
}
if(str1.equals("false"))
{
shape=false;
repaint();
}
}
}
public void change()
{ color=randomColor(); repaint(); }

private Color randomColor()
{
int r=(int)(255*Math.random());
int g=(int)(255*Math.random());
int b=(int)(255*Math.random());
return new Color(r,g,b);
}
public void paint(Graphics g)
{     g.setColor(color);

if(shape){g.fillRect(400,250,200,200);}
else{g.fillOval(400,250,200,200);}
}
}
```

OUTPUT:

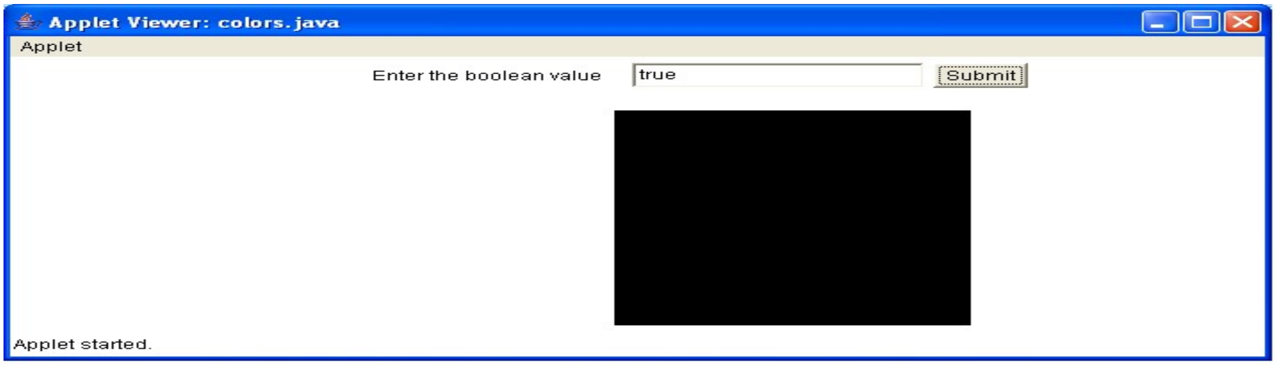

Select C:\WINDOWS\system32\cmd.exe - appletviewer Colors.java

```
C:\bdk\beanbox>javac colors.java
C:\bdk\beanbox>appletviewer Colors.java
```



Enter the boolean value: false

Applet started.



Enter the boolean value: true

Applet started.

RESULT: The program is verified and executed.

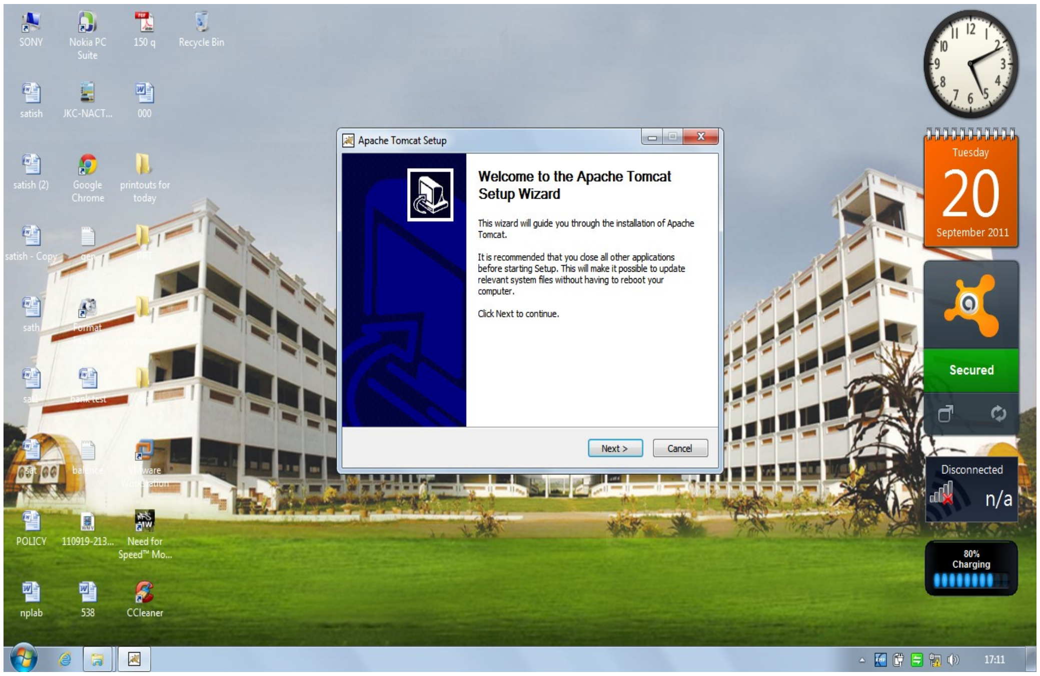
Experiment no:

AIM:

1) Install TOMCAT web server and APACHE.
While installation assign port number 4040 to TOMCAT and 8080 to APACHE. Make sure that these ports are available i.e., no other process is using this port.
2) Access the above developed static web pages for books web site, using these servers by putting the web pages developed in week-1 and week-2 in the document root.

TOMCAT SERVER INSTALLATION:

1. Double click the setup file



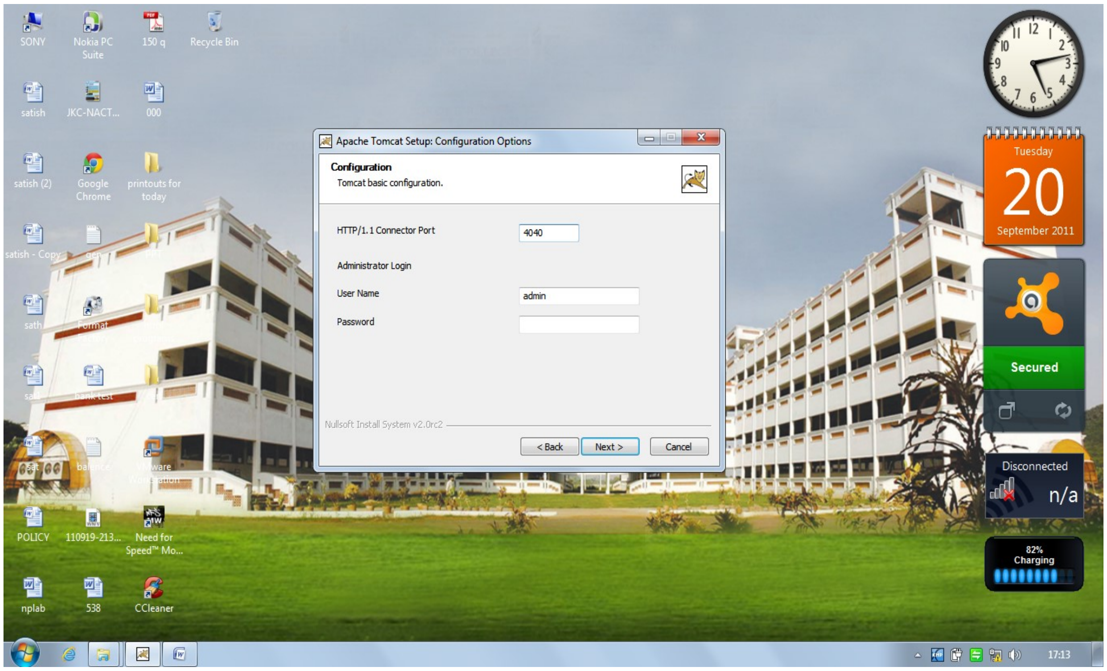
Welcome to the Apache Tomcat Setup Wizard

This wizard will guide you through the installation of Apache Tomcat.

It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.

Click Next to continue.

2. While installing assign the port number as 4040



Configuration
Tomcat basic configuration.

HTTP/1.1 Connector Port: 4040

Administrator Login

User Name: admin

Password:

Java Path Setting:

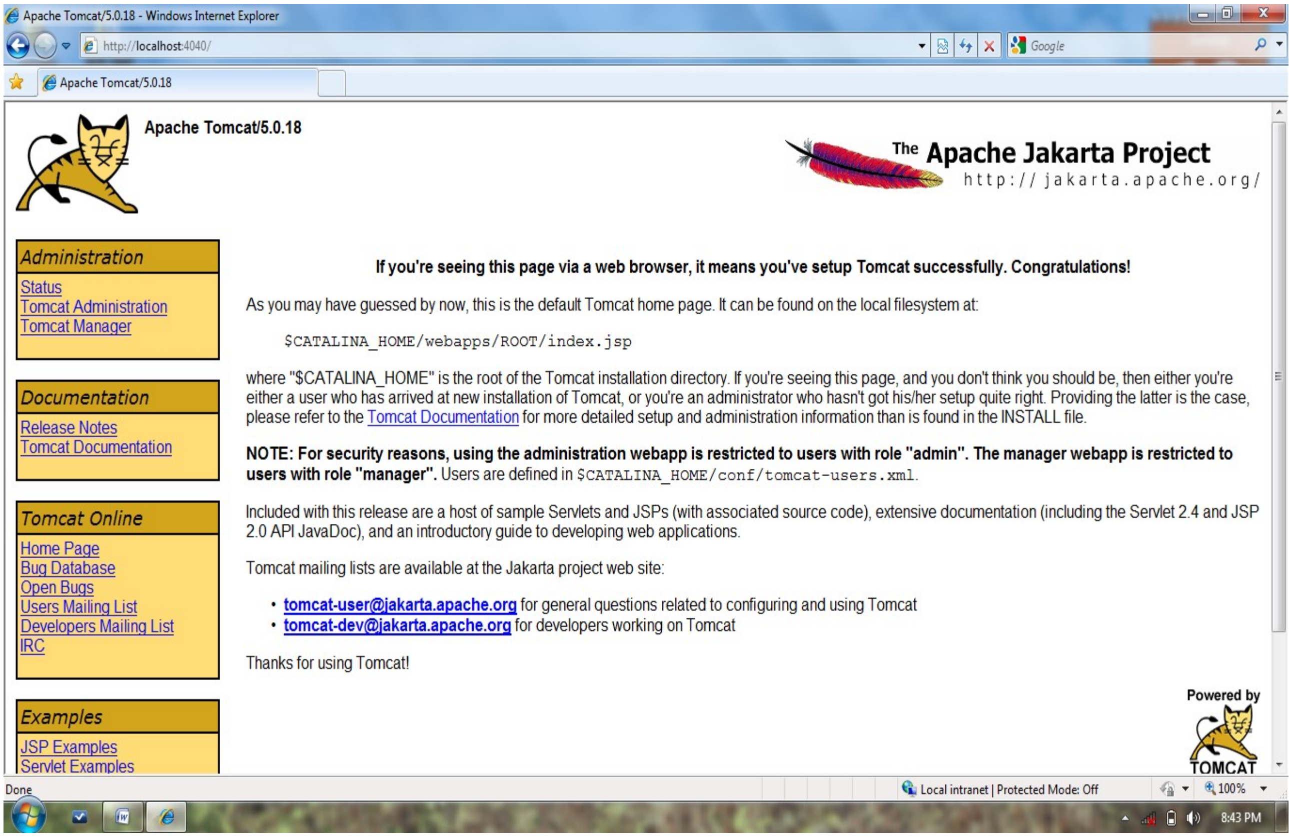
1. Open my computer properties.
2. Click advanced tab.
3. Click environmental properties.
4. In user variables click new.
5. Variable name=path
   Variable value=C:\Program Files\Java\jdk1.6.0_10\bin

Servlets Path Setting:

1. Open my computer properties.
2. Click advanced tab.
3. Click environmental properties.
4. In user variables click new.
5. Variable name=classpath

Variable value=C:\Program Files\Apache Software Foundation\Tomcat5.0\common\lib\servlet-api.jar

3. Start the tomcat server by clicking ‘Start Tomcat’
4. Then open the browser enter URL as **http://localhost:4040/**



Apache Tomcat/5.0.18

If you're seeing this page via a web browser, it means you've setup Tomcat successfully. Congratulations!

As you may have guessed by now, this is the default Tomcat home page. It can be found on the local filesystem at:

```
$CATALINA_HOME/webapps/ROOT/index.jsp
```

where "$CATALINA_HOME" is the root of the Tomcat installation directory. If you're seeing this page, and you don't think you should be, then either you're either a user who has arrived at new installation of Tomcat, or you're an administrator who hasn't got his/her setup quite right. Providing the latter is the case, please refer to the Tomcat Documentation for more detailed setup and administration information than is found in the INSTALL file.

NOTE: For security reasons, using the administration webapp is restricted to users with role "admin". The manager webapp is restricted to users with role "manager". Users are defined in `$CATALINA_HOME/conf/tomcat-users.xml`.

Included with this release are a host of sample Servlets and JSPs (with associated source code), extensive documentation (including the Servlet 2.4 and JSP 2.0 API JavaDoc), and an introductory guide to developing web applications.

Tomcat mailing lists are available at the Jakarta project web site:

- **tomcat-user@jakarta.apache.org** for general questions related to configuring and using Tomcat
- **tomcat-dev@jakarta.apache.org** for developers working on Tomcat

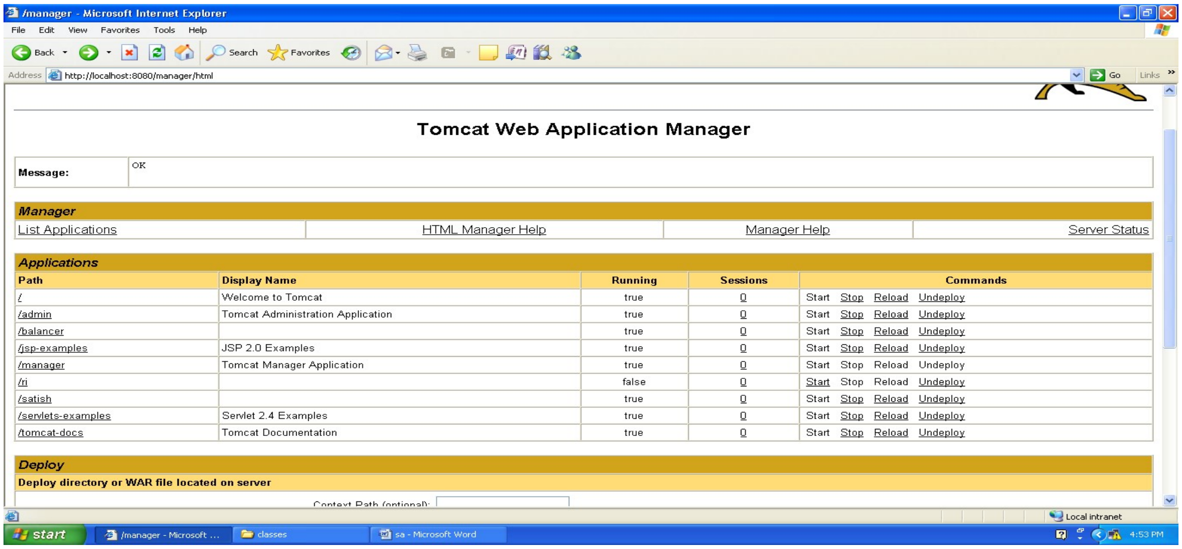
Thanks for using Tomcat!

Frame.html:

```
<html>
<head><title> college info</title>     </head>
<frameset rows="20%,20%,60%">
<frameset cols="20%,80%">
<frame name="a" src="logo.html">
<frame name="b" src="main.html">
</frameset>
<frameset cols="20%,20%,20%,20%,20%">
<frame name="c" src="home.html">
```

```
<frame name="d" src="login1.html">
<frame name="e" src="register.html">
<frame name="f" src="Cat.html">
<frame name="g" src="cart1.html">
</frameset>
<frameset cols="20%,80%">
<frame name="h" src="dept.html">
<frame name="i" src="">
</frameset>
</frameset>
</html>
```

NOTE: The above program is saved under “C:\Program Files\Apache Software Foundation\Tomcat 5.0\webapps\satish\frame.html”.


/manager - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://localhost:8080/manager/html
Go Links
Local intranet
start /manager - Microsoft ... classes sa - Microsoft Word 4:53 PM

Tomcat Web Application Manager

Message:	OK

Manager

List Applications	HTML Manager Help	Manager Help	Server Status

Applications

Path	Display Name	Running	Sessions	Commands
/	Welcome to Tomcat	true	0	Start Stop Reload Undeploy
/admin	Tomcat Administration Application	true	0	Start Stop Reload Undeploy
/balancer		true	0	Start Stop Reload Undeploy
/jsp-examples	JSP 2.0 Examples	true	0	Start Stop Reload Undeploy
/manager	Tomcat Manager Application	true	0	Start Stop Reload Undeploy
/ri		false	0	Start Stop Reload Undeploy
/satish		true	0	Start Stop Reload Undeploy
/servlets-examples	Servlet 2.4 Examples	true	0	Start Stop Reload Undeploy
/tomcat-docs	Tomcat Documentation	true	0	Start Stop Reload Undeploy

Deploy

Deploy directory or WAR file located on server

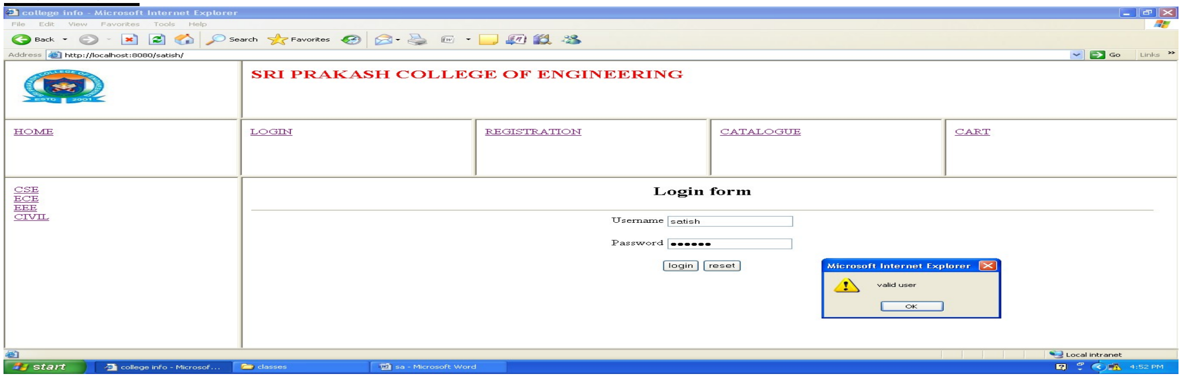
Context Path (optional):

web.xml:

```
<web-app>
<welcome-file-list><welcome-file>frame.html</welcome-file></welcome-file-list>
</web-app>
```

NOTE: The above program is saved under “C:\Program Files\Apache Software Foundation\Tomcat 5.0\webapps\satish\WEB-INF/web.xml”

OUTPUT:


college info - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://localhost:8080/satish/
Go Links
Local intranet
start college info - Microsof... classes sa - Microsoft Word 4:52 PM

SRI PRAKASH COLLEGE OF ENGINEERING

HOME LOGIN REGISTRATION CATALOGUE CART

CSE
ECE
EEE
CIVIL

Login form

Username satish

Password ●●●●●●●

login reset

Microsoft Internet Explorer

valid user

OK

RESULT:- The programme is verified and executed.

Experiment no:
AIM: User Authentication

Assume four users user1, user2, user3 and user4 having the passwords pwd1, pwd2, pwd3 and pwd4 respectively. To Write a servlet for doing the following.
1. Create a Cookie and add these four user id's and passwords to this Cookie.
2. Read the user id and passwords entered in the Login form (week1) and authenticate with
the values (user id and passwords) available in the cookies.
If he is a valid user (i.e., user-name and password match) you should welcome him by
Name (user-name) else you should display " You are not an authenticated user ".
Use init-parameters to do this. Store the user-names and passwords in the webinf.xml and
access them in the servlet by using the getInitParameters() method.

login.html:

```
<html>
<head><title>login</title></head>
<body>
<form  action="/ri/hello">
<center>
Username&nbsp&nbsp<input type ="text" name="uid"><br><br>
Password&nbsp&nbsp&nbsp<input type ="text" "><br><br>
&nbsp<input type ="submit" value="Add cookie" >
</center>
</form>
</body>
</html>
```

Valid.html:

```
<html>
<head><title>login</title></head>
<body>
<form  action="/ri/hello1">
<h1 align="center">User Validation Form</h1><hr>
<center>
<h3>Enter the details againast database</h3><br><br>
User Name <input type ="text" name="uid"><br><br>
Password <input type ="text" name="pwd"><br><br>
<input type ="submit" value="Check Data" >
</center>
</form>
</body>
</html>
```

NOTE:
The above two programs (login.html & valid.html) is saved under "C:\Program Files\Apache Software Foundation\Tomcat 5.0\webapps\jj"

vs.java:

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class vs extends HttpServlet
{
public void doGet(HttpServletRequest req,HttpServletResponse res) throws IOException,ServletException
{
res.setContentType("text/html");
PrintWriter out = res.getWriter();
String s1,s2;
s1=req.getParameter("uid");
s2=req.getParameter("pwd");
Cookie c1 = new Cookie("name1","1");
res.addCookie(c1);
Cookie c2 = new Cookie("name2","2");
res.addCookie(c2);
Cookie c3 = new Cookie("name3","3");
res.addCookie(c3);
Cookie c4 = new Cookie(s1,s2);
res.addCookie(c4);
out.println("cookies added successfully");
}
}
```

Vs1.java:

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class vs1 extends HttpServlet
{
public void doGet(HttpServletRequest req,HttpServletResponse res) throws IOException,ServletException
{
res.setContentType("text/html");
PrintWriter out = res.getWriter();
String s1,s2;
s1=req.getParameter("uid");
s2=req.getParameter("pwd");
int test=1;
Cookie[] cookies = req.getCookies();
for (int i = 0; i < cookies.length; i++)
{
Cookie c = cookies[i];
String name = c.getName();
String value = c.getValue();
if(s1.equals(name))
{
if(s2.equals(value))
{       out.println("Valid user");      test=0; }       }
}
if(test==1)
out.println("Not a Valid user");
}}
```

NOTE:

The above programs are saved under “C:\Program Files\Apache Software Foundation\Tomcat 5.0\webapps\ri\WEB-INF\classes”.

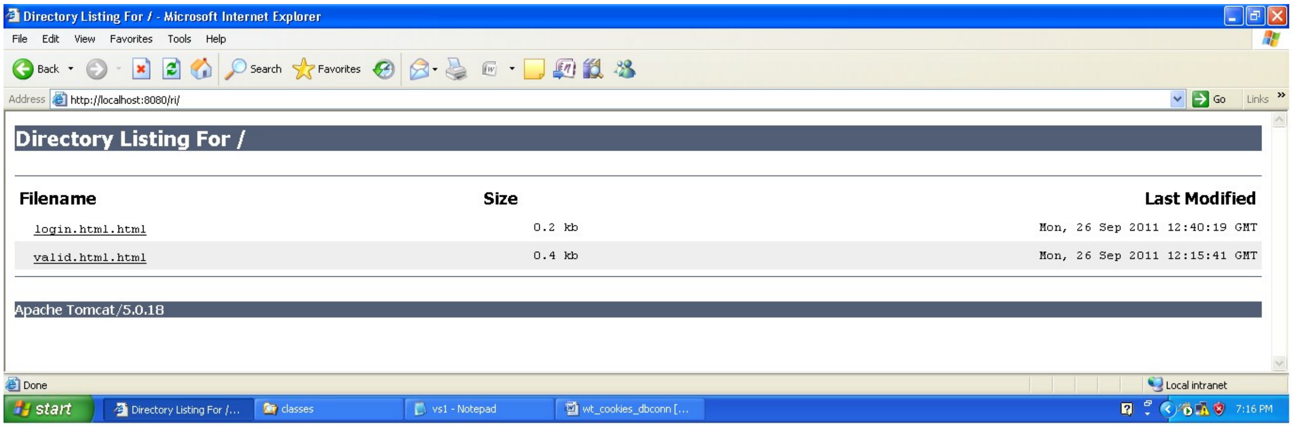
web.xml:

```
<web-app>
<servlet>
<servlet-name>a</servlet-name>
<servlet-class>vs</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>a</servlet-name>
<url-pattern>/hello/*</url-pattern>
</servlet-mapping>

<servlet>
<servlet-name>a1</servlet-name>
<servlet-class>vs1</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>a1</servlet-name>
<url-pattern>/hello1/*</url-pattern>
</servlet-mapping>

<welcome-file-list><welcome-file>login.html</welcome-file></welcome-file-list>

</web-app>
```

NOTE:

The above program is saved under “C:\Program Files\Apache Software Foundation\Tomcat 5.0\webapps\ri\WEB-INF”

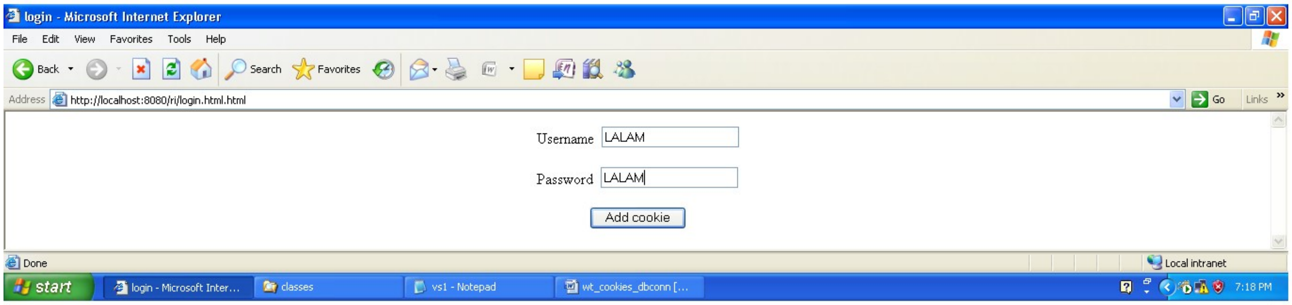
OUTPUT:


Directory Listing For / - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://localhost:8080/ri/
Go Links
Done
Local intranet
start
Directory Listing For /...
classes
vs1 - Notepad
wt_cookies_dbconn [...
7:16 PM

Directory Listing For /

```
Filename                         Size                         Last Modified
login.html.html                  0.2 kb      Mon, 26 Sep 2011 12:40:19 GMT
valid.html.html                  0.4 kb      Mon, 26 Sep 2011 12:15:41 GMT
```

Apache Tomcat/5.0.18

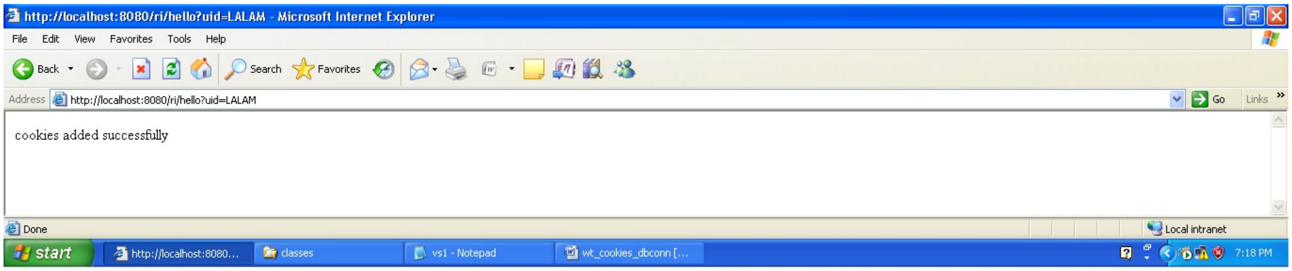


login - Microsoft Internet Explorer

Address http://localhost:8080/ri/login.html.html

Username LALAM

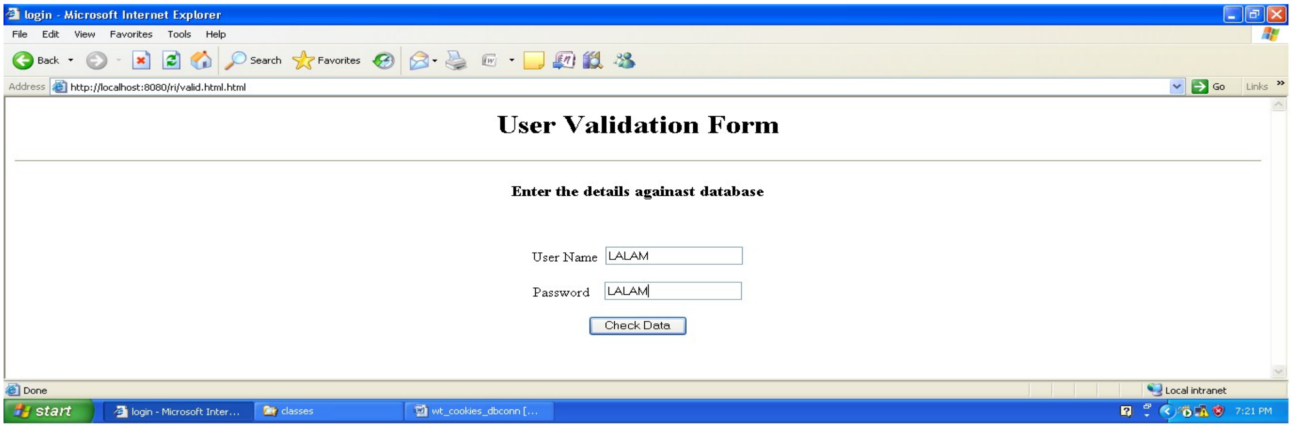
Password LALAM



http://localhost:8080/ri/hello?uid=LALAM - Microsoft Internet Explorer

Address http://localhost:8080/ri/hello?uid=LALAM

cookies added successfully



login - Microsoft Internet Explorer

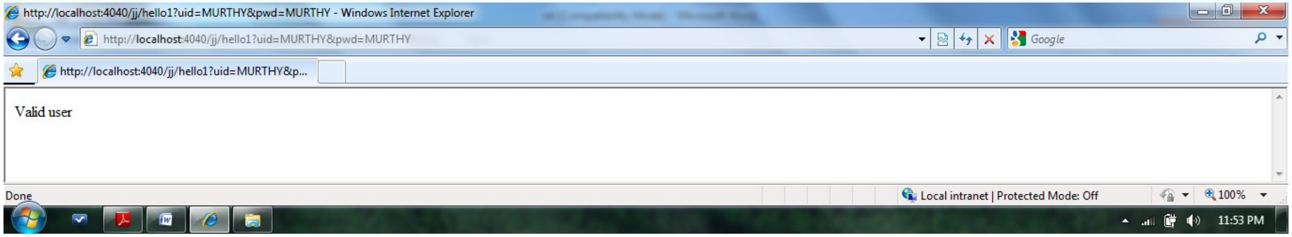
Address http://localhost:8080/ri/valid.html.html

User Validation Form

Enter the details againast database

User Name LALAM

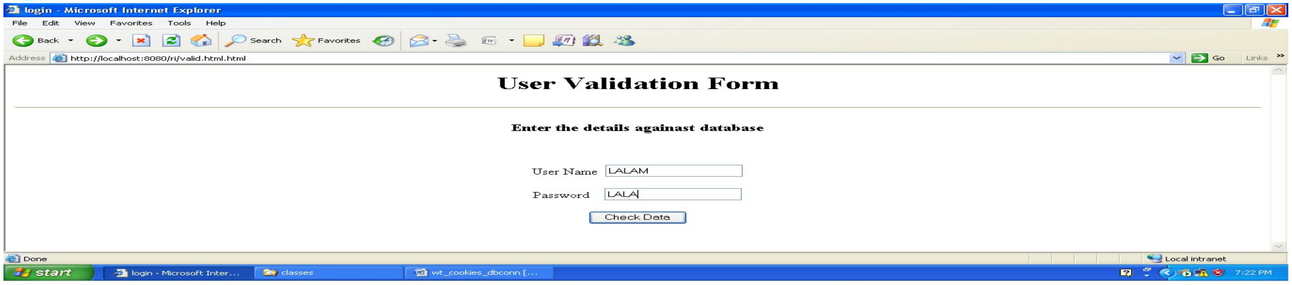
Password LALAM



http://localhost:4040/jj/hello1?uid=MURTHY&pwd=MURTHY - Windows Internet Explorer

http://localhost:4040/jj/hello1?uid=MURTHY&pwd=MURTHY

Valid user



login - Microsoft Internet Explorer

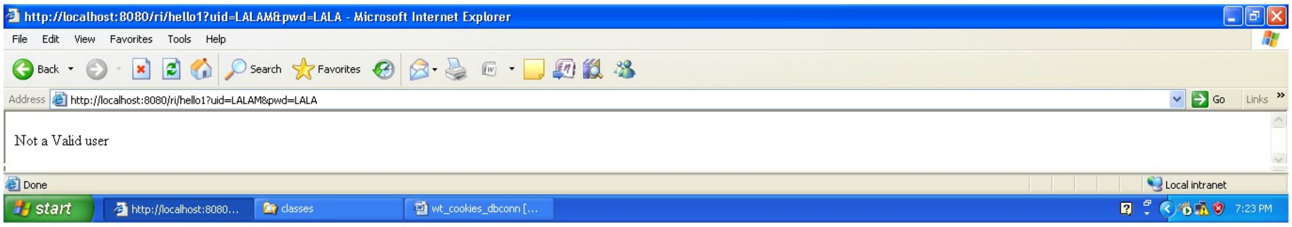
Address http://localhost:8080/ri/valid.html.html

User Validation Form

Enter the details againast database

User Name LALAM

Password LALA



http://localhost:8080/ri/hello1?uid=LALAM&pwd=LALA - Microsoft Internet Explorer

Address http://localhost:8080/ri/hello1?uid=LALAM&pwd=LALA

Not a Valid user

RESULT: The programme is verified and executed.

Experiment no:

AIM: USER REGISTRATION

Data Base connectivity:

Creating table-using ms-access:

1. Open Microsoft access (ms access).
2. Click opens a blank access database.
3. Save in any location.
4. Click create table-using wizard.
5. Create fields Name, password, email, phone in the table.
6. Press next.
7. Press no, i will set primary key and press next.
8. Press numbers and /or letters i add new records press next.
9. Press Enter data directly into table.
10. Click finish.

Note: Rename table as “a”.

Configuring DSN (Data source name):

1. Open control panel.
2. Click administrative tools.
3. Open data sources (ODBC).
4. Click user DSN.
5. Click Add button.
6. Click ms-access driver “.mdb”.
7. Select data source name as spec.
8. Click database name button and identify the table.
Path=DB saving path.
9. Click ok button.

Login.html

```
<html>
<head><title>login</title></head>
<body bgcolor="maroon" text="yellow"><font size="5">
<form  action="insert.jsp">
<p style="position:absolute;top=50;left=290">Enter user name and password into database</p>
<p style="position:absolute;top=90;left=400">
User Name<input type ="text" name="uid"><br>
Pass Word<input type ="text" name="pwd"><br>
Phone No   <input type ="text" name="email"><br>
Email Id   <input type ="text" name="phone"><br><br>
<input type ="submit" value="Insert Data" >
</p>
</form>
<form  action="view.jsp">
<div style="position:absolute;top=300;left=290">View all user names and passwords in the database</div>
<p style="position:absolute;top=350;left=400">
<input type ="submit" value="View DB data" >
</p>
</form>
</body>
</html>
```

insert.jsp:

```
<%@ page import="java.util.Date"%>
<%@ page import="java.sql.*;"%>
<% String s1=request.getParameter("uid");%>
<% String s2=request.getParameter("pwd");%>
<% String s3=request.getParameter("email");%>
<% String s4=request.getParameter("phone");%>
<%
try{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con = DriverManager.getConnection("jdbc:odbc:spce");
 con.setAutoCommit(true);
 Statement stmt = con.createStatement();
 String stm = "insert into a values('" + s1 + "','" + s2 + "','" + s3 + "','" + s4 + "')" ;
  int md = stmt.executeUpdate(stm);
  ResultSet rs=stmt.executeQuery("select *from a");

 while(rs.next())
 {
 ut.println(rs.getString(1)+"\t"+rs.getString(2)+"\t"+rs.getString(3)+"\t"+rs.getString(4));
 out.println("<br>");
 }
 con.close();
 }
catch(Exception e){System.out.println(e);}

%>
```

view.jsp:

```
<%@ page import="java.util.Date"%>
<%@ page import="java.sql.*;"%>
<%
try{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
  Connection con = DriverManager.getConnection("jdbc:odbc:spce");
 con.setAutoCommit(true);
 Statement stmt = con.createStatement();
  ResultSet rs=stmt.executeQuery("select *from a");
  while(rs.next())
 {
 out.println(rs.getString(1)+"\t"+rs.getString(2)+rs.getString(3)+rs.getString(4));
 out.println("<br>");
 }
 con.close();
 }
catch(Exception e){System.out.println(e);}

%>
```

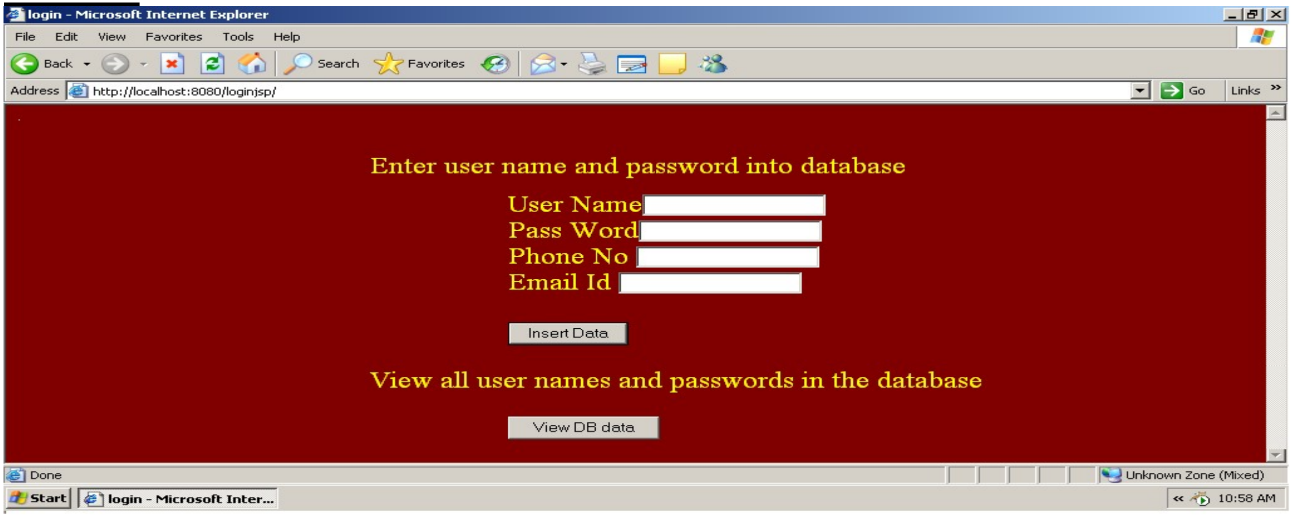
web.xml:

```
<web-app><Welcome-file-list><welcome-file>login.html</welcome-file></welcome-file-list>
</web-app>
```

Note:

Copy all files from
C:\j2sdk1.4.2_04\lib to C:\Program Files\Apache Software Foundation\Tomcat 5.0\common\lib

OUTPUT:


login - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://localhost:8080/loginjsp/
Go Links
Done
Unknown Zone (Mixed)
Start login - Microsoft Inter...
10:58 AM

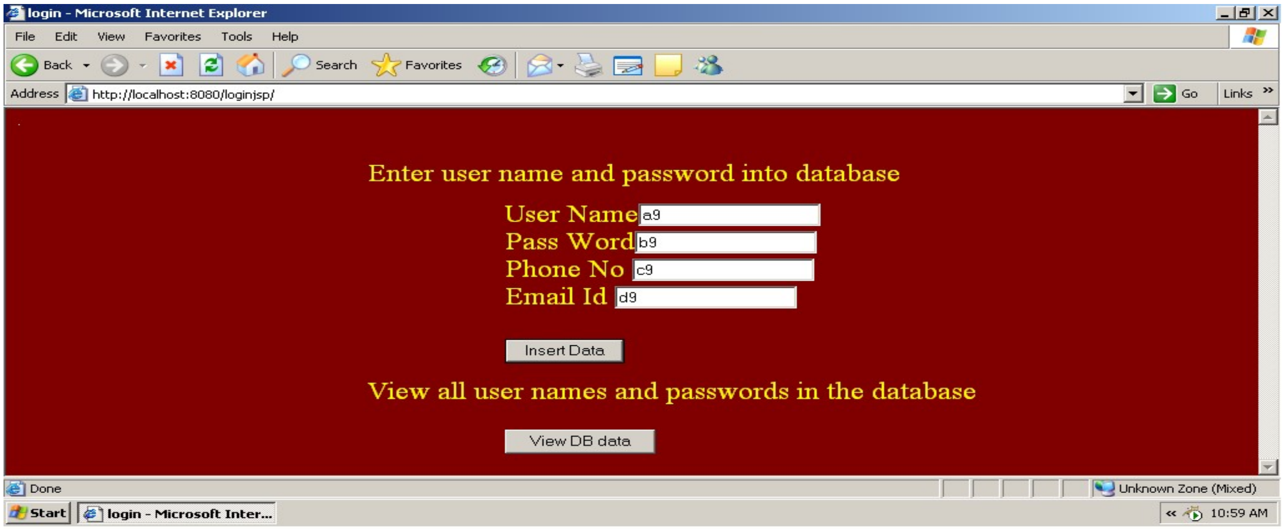
Enter user name and password into database

User Name
Pass Word
Phone No
Email Id

Insert Data

View all user names and passwords in the database

View DB data


login - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://localhost:8080/loginjsp/
Go Links
Done
Unknown Zone (Mixed)
Start login - Microsoft Inter...
10:59 AM

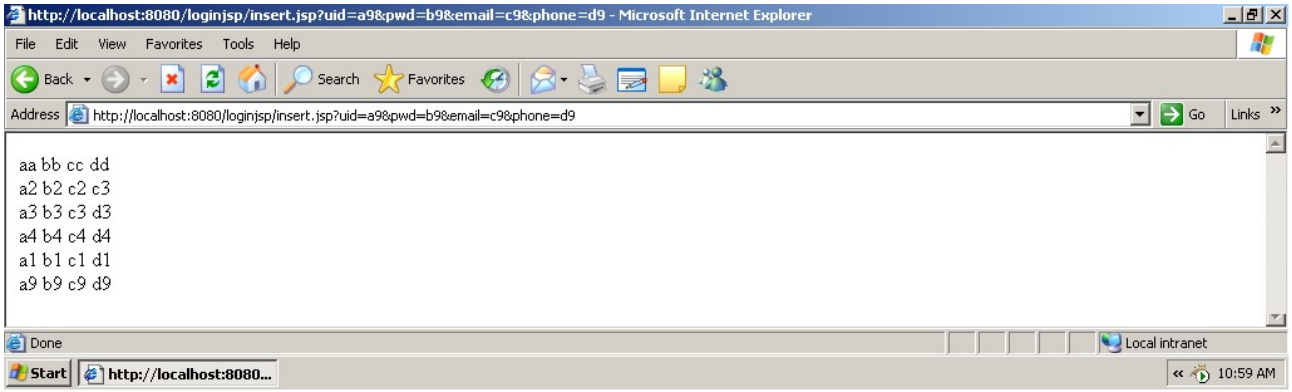
Enter user name and password into database

User Name a9
Pass Word b9
Phone No c9
Email Id d9

Insert Data

View all user names and passwords in the database

View DB data


File Edit View Favorites Tools Help
Back Search Favorites
Go Links
Done
Local intranet
Start http://localhost:8080...
10:59 AM

http://localhost:8080/loginjsp/insert.jsp?uid=a9&pwd=b9&email=c9&phone=d9 - Microsoft Internet Explorer

Address http://localhost:8080/loginjsp/insert.jsp?uid=a9&pwd=b9&email=c9&phone=d9

```
aa bb cc dd
a2 b2 c2 c3
a3 b3 c3 d3
a4 b4 c4 d4
a1 b1 c1 d1
a9 b9 c9 d9
```

RESULT: The programme is verified and executed.

Experiment no:

AIM:

1. Write a JSP which does the following job:
2. Insert the details of the 3 or 4 users who register with the web site (week9) by using registration form. Authenticate the user when he submits the login form using the user name and password from the database (similar to week8 instead of cookies)

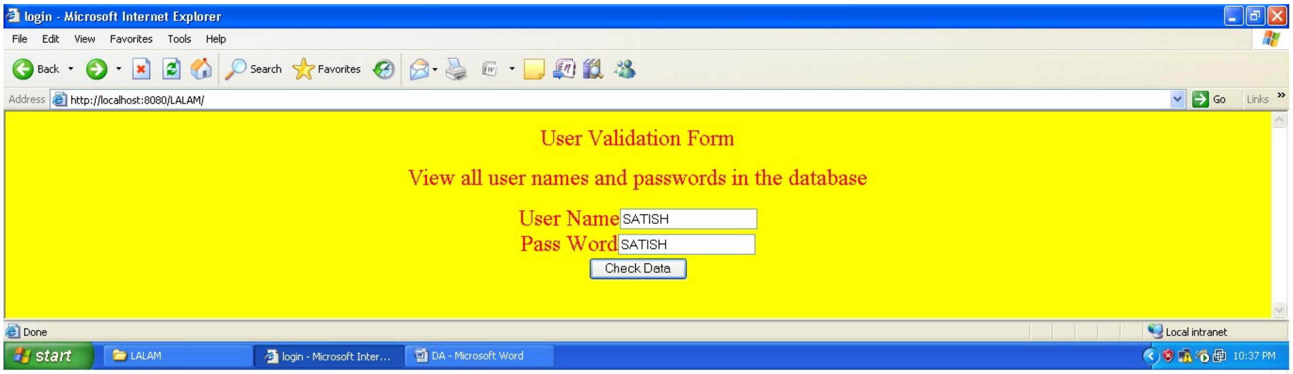
Login.html:

```
<html>
<head><title>login</title></head>
<body bgcolor="yellow" text="red">
<font size="5">
<form  action="valid.jsp">
<center>
User Validation Form<br><br>
view all usernames and passwords in database<br>
User Name<input type ="text" name="uid"><br>
Pass Word<input type ="text" name="pwd"><br>
<input type ="submit" value="Check Data" >
</center>
</form>
</body>
</html>
```

Valid.jsp:

```
<%@ page import="java.util.Date"%>
<%@ page import="java.sql.*;"%>
<% String s1=request.getParameter("uid");%>
<% String s2=request.getParameter("pwd");%>
<%
try
{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con = DriverManager.getConnection("jdbc:odbc:spce");
con.setAutoCommit(true);
int c=1;
Statement stmt = con.createStatement();
ResultSet rs=stmt.executeQuery("select *from a");
while(rs.next())
{
if(s1.equals(rs.getString(1)))
{
if(s2.equals(rs.getString(2)))
{   out.println("Valid user");  c=0;}
}
}
if(c==1)
out.println("Not a Valid user");con.close();
}
catch(Exception e){System.out.println(e);}
%>
```

Output:

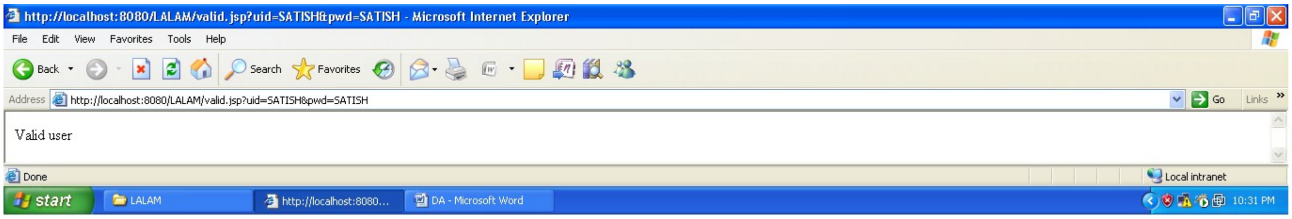

login - Microsoft Internet Explorer

Address http://localhost:8080/LALAM/

User Validation Form

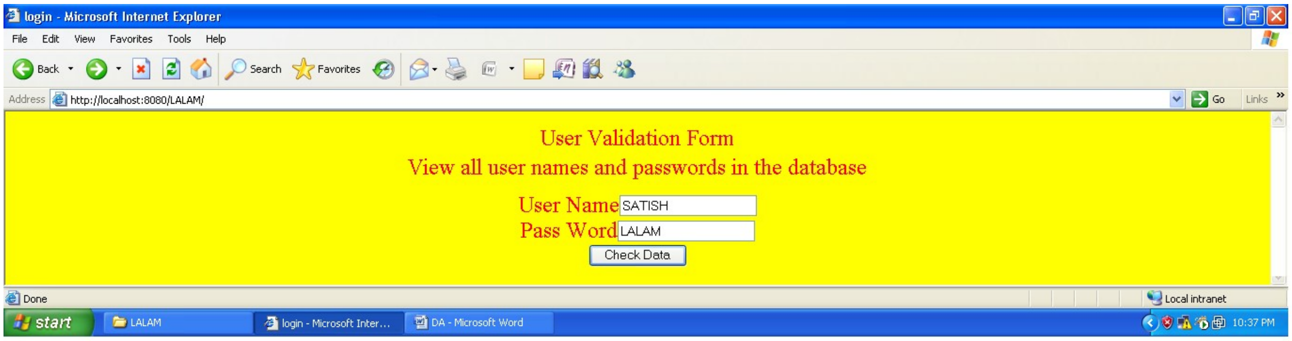
View all user names and passwords in the database

User Name SATISH
Pass Word SATISH


http://localhost:8080/LALAM/valid.jsp?uid=SATISH&pwd=SATISH - Microsoft Internet Explorer

Address http://localhost:8080/LALAM/valid.jsp?uid=SATISH&pwd=SATISH

Valid user

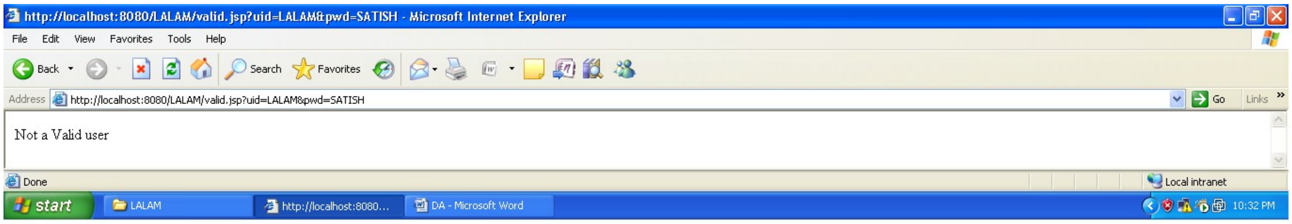

login - Microsoft Internet Explorer

Address http://localhost:8080/LALAM/

User Validation Form

View all user names and passwords in the database

User Name SATISH
Pass Word LALAM


http://localhost:8080/LALAM/valid.jsp?uid=LALAM&pwd=SATISH - Microsoft Internet Explorer

Address http://localhost:8080/LALAM/valid.jsp?uid=LALAM&pwd=SATISH

Not a Valid user

RESULT: the program is excuited and output is verified.