

LIST OF EXPERIMENTS

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2. Design a student registration and Log-in form with using HTML tags.
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4. Design a webpage using Frame.
5. Write a java script function to display Current date and time.
6. Design a webpage by using popup boxes.
7. Design a xml document using basic syntax.
8. Design a student registration form and apply validation on it by using external javascript.
9. Design a simple Calculator by using html , css, and javascript.
10. Write a Javascript program to Calculate Factorial of any number by using html.
11. Write a program to style the link using pseudoclasses in css.
12. Write a program to style the first letter, line of an element and insert content before or after the content of an element using pseudoelement in css.
13. Design a Horizontal Dropdown menu inside Navigation bar by using CSS.
14. Design a Alert Buttons in CSS.
15. Design a Loading Buttons in CSS.

EXPERIMENT NO. – 1

AIM :- Design a table for showing student data with HTML tags.

Program:

```
<!DOCTYPE html>

<html>

<head>

<style>

table {

    font-family: arial, sans-serif;

    border-collapse: collapse;

    width: 100%;

}

td, th {

    border: 1px solid black;

    text-align: left;

    padding: 8px;

}

tr:nth-child(even) {

    background-color: #FF7F50;

}

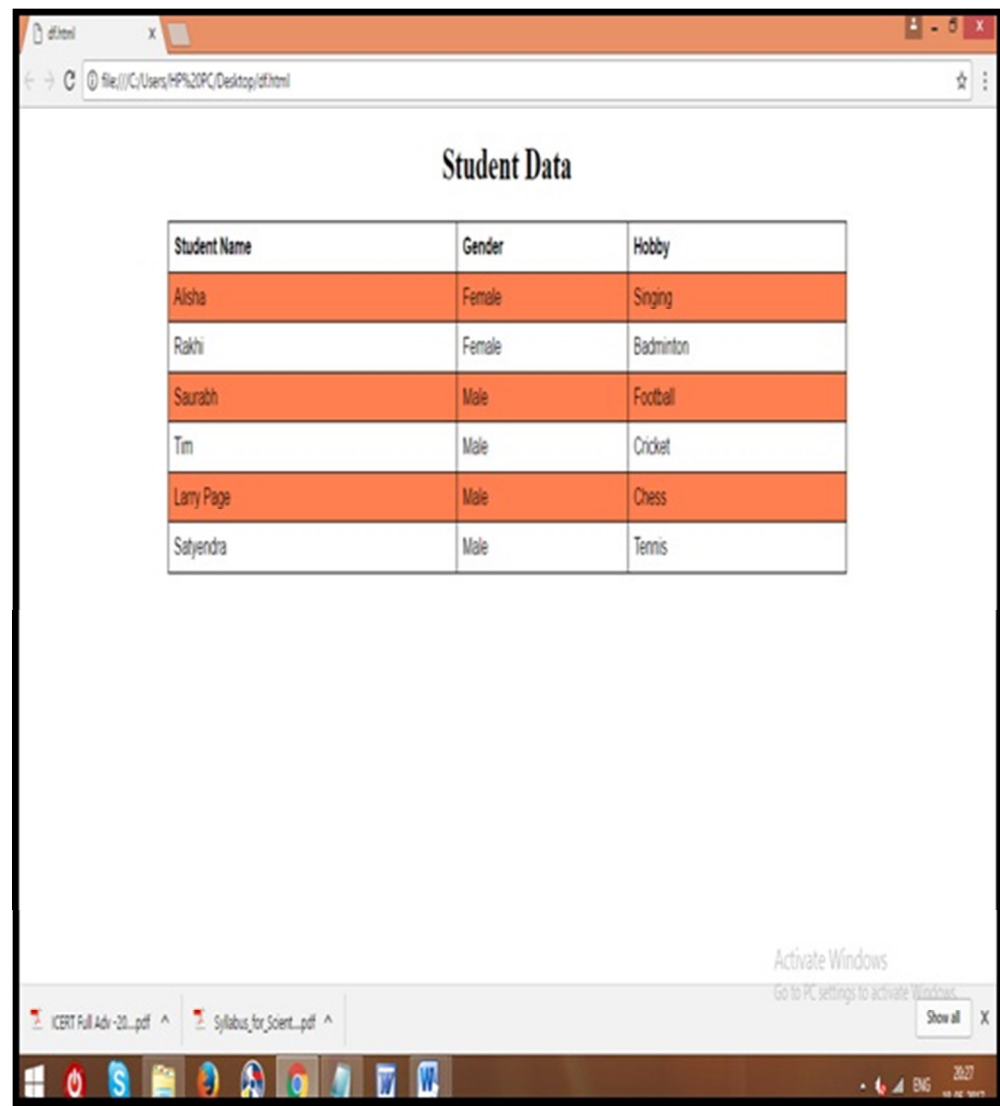
</style>

</head>
```

```
<body>
<center>
<table style="width:70%">
  <h1>Student Data</h1>
  <tr>
    <th>Student Name</th>
    <th>Gender</th>
    <th>Hobby</th>
  </tr>
  <tr>
    <td>Alisha</td>
    <td>Female</td>
    <td>Singing</td>
  </tr>
  <tr>
    <td>Rakhi</td>
    <td>Female</td>
    <td>Badminton</td>
  </tr>
  <tr>
    <td>Saurabh</td>
    <td>Male</td>
    <td>Football</td>
```

```
</tr>
<tr>
  <td>Tim</td>
  <td>Male</td>
  <td>Cricket</td>
</tr>
<tr>
  <td>Larry Page</td>
  <td>Male</td>
  <td>Chess</td>
</tr>
<tr>
  <td>Satyendra </td>
  <td>Male</td>
  <td>Tennis</td>
</tr>
</table>
</center>
</body>
</html>
```

OUTPUT



The screenshot shows a web browser window with the address bar displaying the file path: file:///C:/Users/HPN/20PC/Desktop/df.html. The main content area features a table titled "Student Data". The table has three columns: "Student Name", "Gender", and "Hobby". The rows of data are as follows:

| Student Name | Gender | Hobby |
|--------------|--------|-----------|
| Alsha | Female | Singing |
| Rakhi | Female | Badminton |
| Saurabh | Male | Football |
| Tim | Male | Cricket |
| Larry Page | Male | Chess |
| Satyendra | Male | Tennis |

The Windows taskbar at the bottom shows two open PDF files: "ICERT Full Adv-20...pdf" and "Syllabus_for_Scient...pdf". The system tray on the right indicates the date and time as 26/07/2024, 20:27, and the language is set to ENG.

EXPERIMENT No -2

AIM :- Design a student registration and Log-in form with using HTML tags.

Program: Log-in form(reg.html)

```
<!DOCTYPE html>

<html>

<style>

form {

    border: 3px solid #f1f1f1;

}

input[type=text], input[type=password] {

    width: 100%;

    padding: 12px 20px;

    margin: 8px 0;

    display: inline-block;

    border: 1px solid #ccc;

    box-sizing: border-box;

}

button {

    background-color: #4CAF50;

    color: white;

    padding: 14px 20px;

    margin: 8px 0;
```

```
border: none;

cursor: pointer;

width: 100%;

}

button:hover {

    opacity: 0.8;

}

.cancelbtn {

    width: auto;

    padding: 10px 18px;

    background-color: #f44336;

}

.imgcontainer {

    text-align: center;

    margin: 24px 0 12px 0;

}

img.avatar {

    width: 40%;

    border-radius: 50%;

}

.container {
```

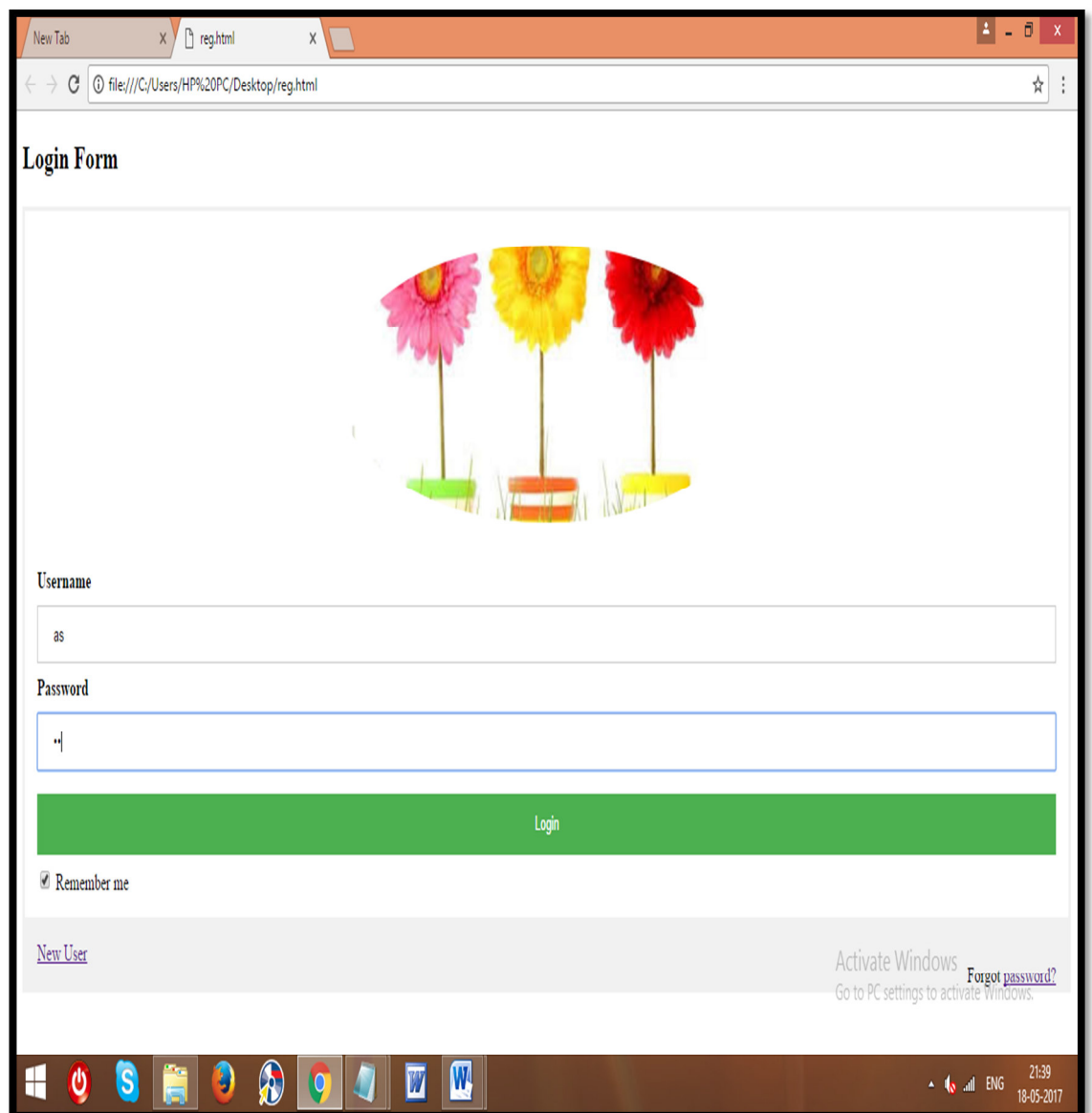
```
padding: 16px;
}
span.psw {
float: right;
padding-top: 16px;
}
/* Change styles for span and cancel button on extra small screens */
@media screen and (max-width: 300px) {
span.psw {
display: block;
float: none;
}
.cancelbtn {
width: 100%;
}
}
</style>
<body>
<h2>Login Form</h2>
<form action="log.html">
<div class="imgcontainer">

</div>
```



```
<div class="container">
  <label><b>Username</b></label>
  <input type="text" placeholder="Enter Username" name="uname" required>
  <label><b>Password</b></label>
  <input type="password" placeholder="Enter Password" name="psw" required>
  <button type="submit">Login</button>
  <input type="checkbox" checked="checked"> Remember me
</div>
<div class="container" style="background-color:#f1f1f1">
  <a href="reg1.html">New User</a>
  <span class="psw">Forgot <a href="#">password?</a></span>
</div>
</form>
</body>
</html>
```

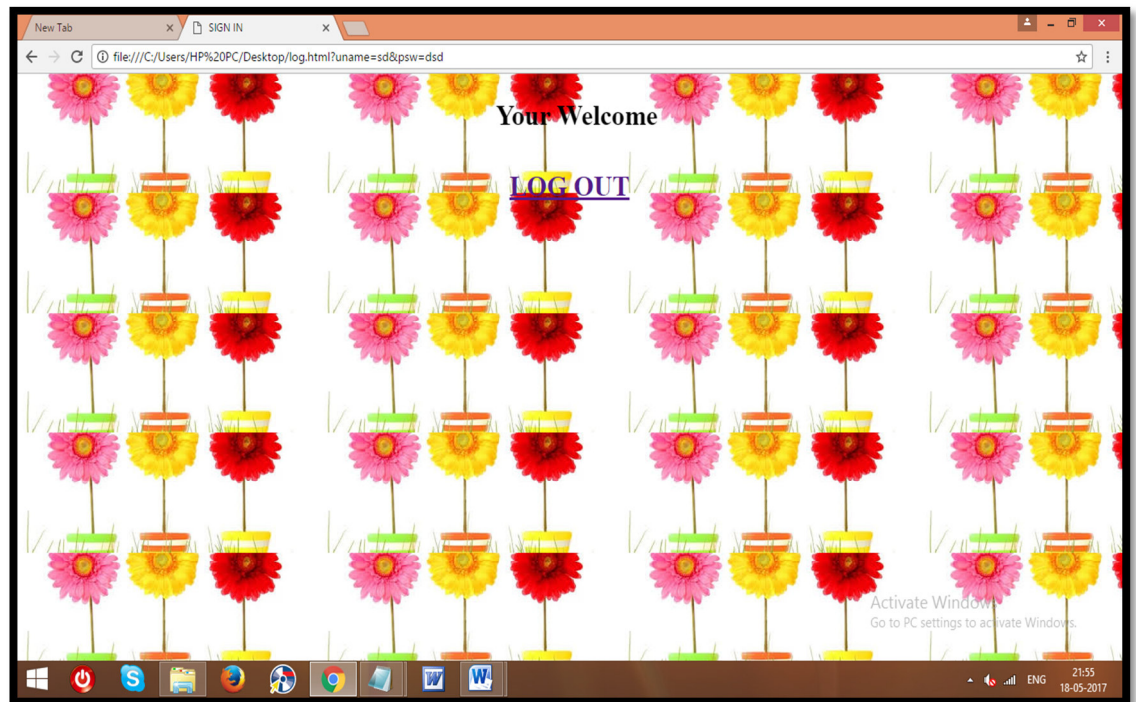
OUTPUT



Logsuc.html(log.html)

```
<html>
<head>
<title>SIGN IN</title>
<body background="C:\Users\HP PC\Desktop\images.jpg">
<marquee><center>
<p style="color:blue;"><h1>Your Welcome</h1></p>
</marquee></center>
</form>
<CENTER>
<a href ="reg.html"><h1>LOG OUT</h1></a>
</CENTER>
</body>
</head>
</html>
```

OUTPUT:



New User(reg1.html)

```
<html>
```

```
<head>
```

```
<script type="text/javascript" src="validate.js"></script>
```

```
</head>
```

```
<body>
```

```
<form action="suc.html" name="StudentRegistration" );">
```

```
<table cellpadding="2" width="20%" bgcolor="99FFFF" align="center"
cellspacing="2">
```

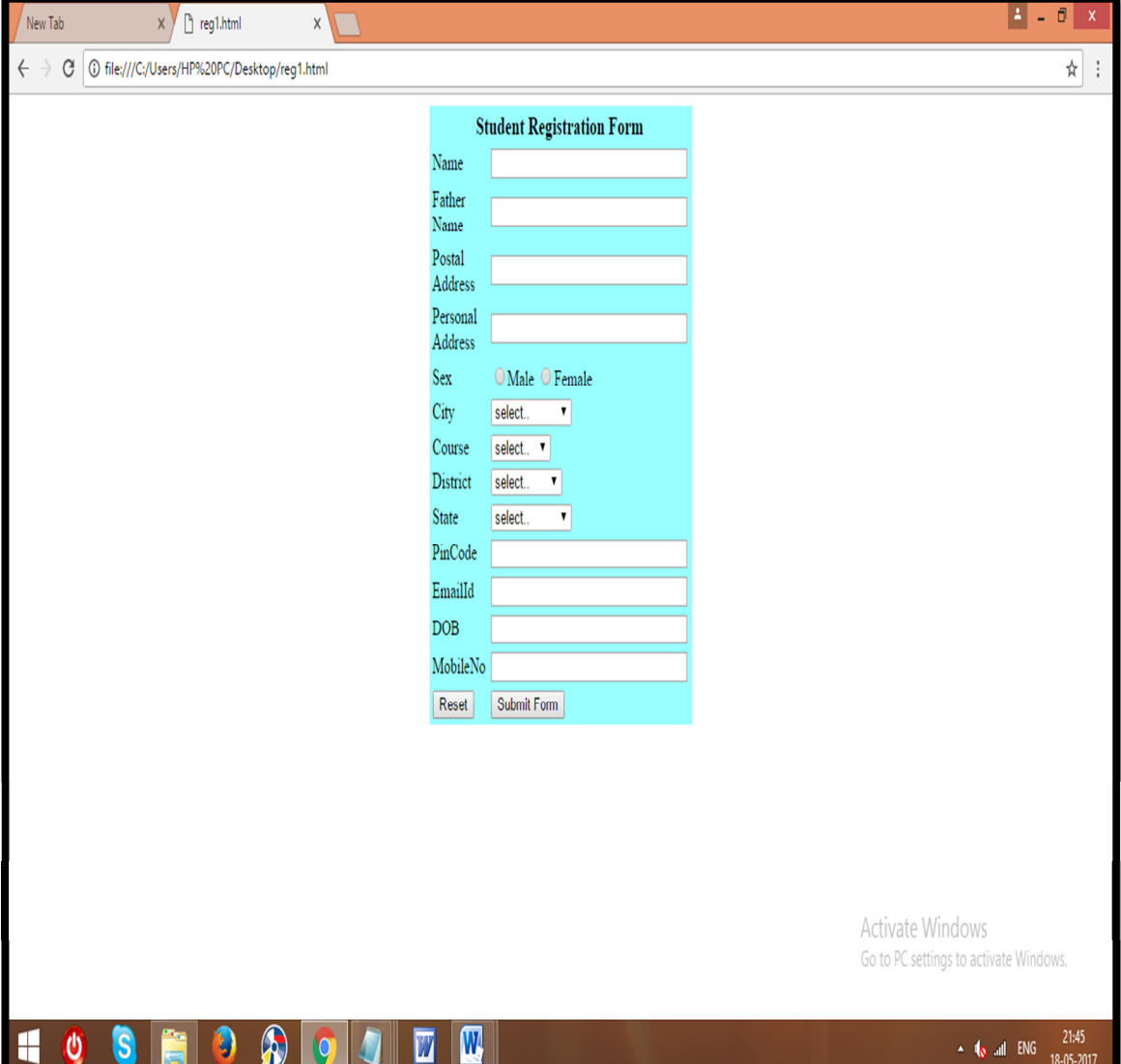
```
<tr>
<td colspan=2>
<center><font size=4><b>Student Registration Form</b></font></center>
</td>
</tr>
<tr>
<td>Name</td>
<td><input type=text name=textnames id="textname" size="30"></td>
</tr>
<tr>
<td>Father Name</td>
<td><input type="text" name="fathername" id="fathername"size="30"></td>
</tr>
<tr>
<td>Postal Address</td>
<td><input type="text" name="paddress" id="paddress" size="30"></td>
</tr>
<tr>
<td>Personal Address</td>
<td><input type="text" name="personaladdress" id="personaladdress"
size="30"></td>
</tr>
```

```
<tr>
<td>Sex</td>
<td><input type="radio" name="sex" value="male" size="10">Male
<input type="radio" name="sex" value="Female" size="10">Female</td>
</tr>
<tr>
<td>City</td>
<td><select name="City">
<option value="-1" selected>select..</option>
<option value="New Delhi">NEW DELHI</option>
<option value="Mumbai">MUMBAI</option>
<option value="jabalpur">Jabalpur</option>
<option value="Patna">PATNA</option>
</select></td>
</tr>
<tr>
<td>Course</td>
<td><select name="Course">
<option value="-1" selected>select..</option>
<option value="B.Tech">B.TECH</option>
<option value="Diploma">MCA</option>
<option value="MBA">MBA</option>
<option value="BCA">BCA</option>
```

```
</select></td>
</tr>
<tr>
<td>District</td>
<td><select name="District">
<option value="-1" selected>select..</option>
<option value="Nalanda">NALANDA</option>
<option value="UP">UP</option>
<option value="Jabalpur">Jabalpur</option>
<option value="Patna">PATNA</option>
</select></td>
</tr>
<tr>
<td>State</td>
<td><select Name="State">
<option value="-1" selected>select..</option>
<option value="New Delhi">NEW DELHI</option>
<option value="Mumbai">MUMBAI</option>
<option value="MP">MP</option>
<option value="Bihar">BIHAR</option>
</select></td>
</tr>
<tr>
```

```
<td>PinCode</td>
<td><input type="text" name="pincode" id="pincode" size="30"></td>
</tr>
<tr>
<td>EmailId</td>
<td><input type="text" name="emailid" id="emailid" size="30"></td>
</tr>
<tr>
<td>DOB</td>
<td><input type="text" name="dob" id="dob" size="30"></td></tr>
<tr>
<td>MobileNo</td>
<td><input type="text" name="mobilenno" id="mobilenno" size="30">
</td> </tr>
<tr>
<td><input type="reset"></td>
<td colspan="2"><input type="submit" value="Submit Form" /></td>
</tr>
</table>
</form>
</body>
</html>
```


OUTPUT:



The screenshot shows a web browser window with a single tab titled 'reg1.html'. The address bar displays the file path: file:///C:/Users/HP%20PC/Desktop/reg1.html. The main content area features a 'Student Registration Form' with the following fields and controls:

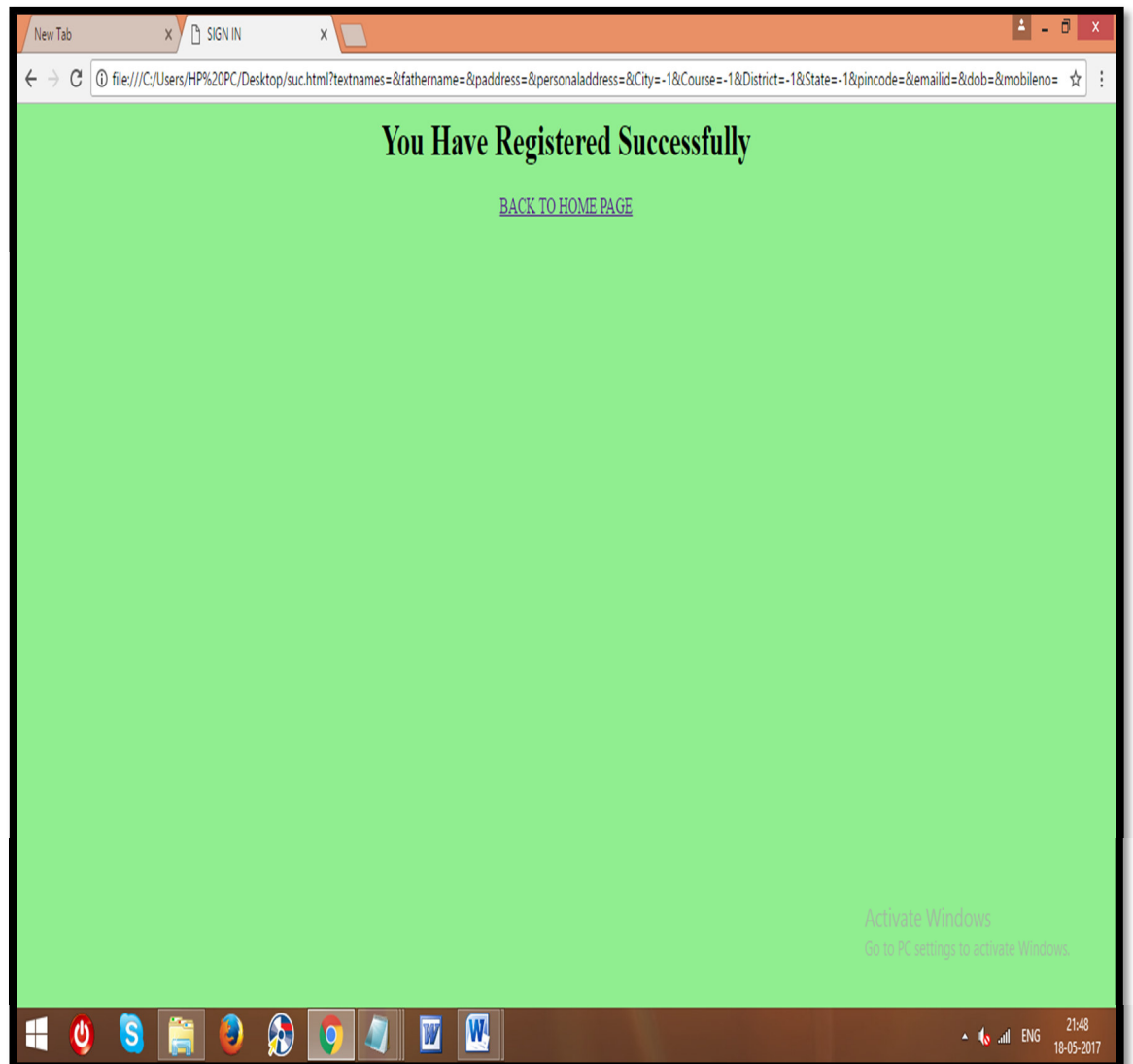
- Name:
- Father Name:
- Postal Address:
- Personal Address:
- Sex: Male Female
- City:
- Course:
- District:
- State:
- PinCode:
- EmailId:
- DOB:
- MobileNo:
- Buttons:

An 'Activate Windows' watermark is visible in the bottom right corner of the browser window, with the text: 'Activate Windows. Go to PC settings to activate Windows.' The Windows taskbar at the bottom shows various application icons and the system tray with the date and time: 21:45, 18-05-2017.

Registration Successful(suc.html):

```
<html>
<head>
<title>SIGN IN</title>
<body background="C:\Users\HP PC\Desktop\images.jpg">
<marquee><center>
<p style="color:blue;"><h1>Your Welcome</h1></p>
</marquee></center>
</form>
<CENTER>
<a href ="reg.html"><h1>BACK TO HOME PAGE</h1></a>
</CENTER>
</body>
</head>
</html>
```

OUTPUT:



EXPERIMENT NO.-3

AIM:- Design a webpage by using external style sheet.

PROGRAM:

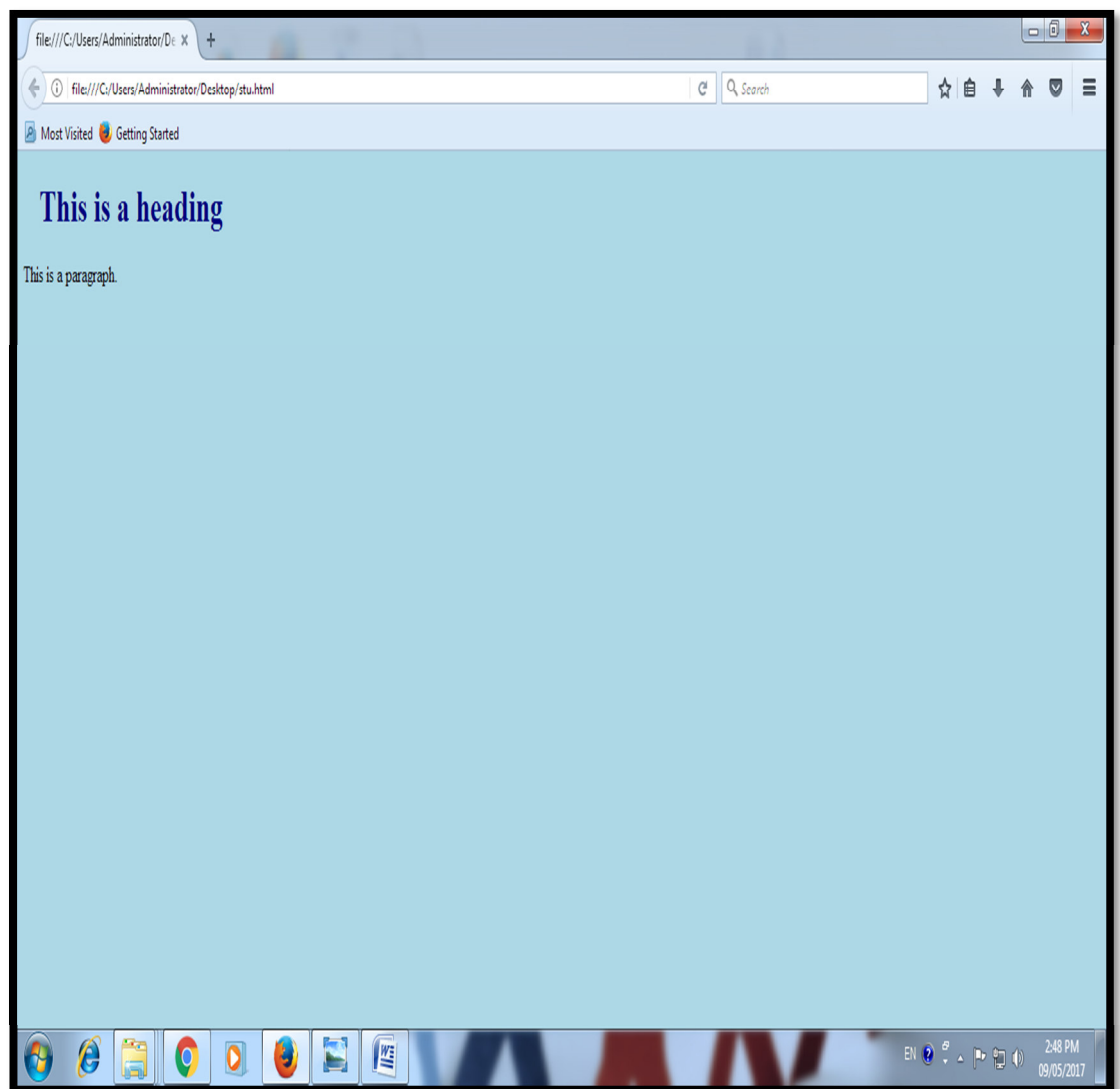
bak.css

```
body {  
    background-color: lightblue;  
}  
  
h1 {  
    color: navy;  
    margin-left: 20px;  
}
```

Test HTML page(test.html)

```
<!DOCTYPE html>  
  
<html>  
  
<head>  
  
<link rel="stylesheet" type="text/css" href="mystyle.css">  
  
</head>  
  
<body>  
  
<h1>This is a heading</h1>  
  
<p>This is a paragraph.</p>  
  
</body>  
  
</html>
```

OUTPUT



EXPERIMENT NO.-4

AIM:- Design a webpage using Frame.

Program:

Test.htm

```
<!DOCTYPE html>

<html>

<frameset cols="25%,*,25%">

  <frame src="frame_a.htm">

  <frame src="frame_b.htm">

  <frame src="frame_c.htm">

</frameset>

</html>
```

frame a.htm

```
<!DOCTYPE html>

<html>

<head>

<style>

body {

  background-color: linen;

}

p {

  color: maroon;

  margin-left: 40px;
```

```
}
</style>
</head>
<body>
  <p>This is a paragraph.</p>
  <p>This is a paragraph.</p>
  <p>This is a paragraph.</p>
</body>
</html>
```

frame b.htm

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
  background-color: green;
}
p {
  color: maroon;
  margin-left: 40px;
}
</style>
</head>
```

```
<body>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
</body>
</html>
```

frame c.htm

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
    background-color: pink;
}
p {
    color: maroon;
    margin-left: 40px;
}
</style>
</head>
<body>
<p>This is a paragraph.</p>
<p>This is a paragraph.</p>
```

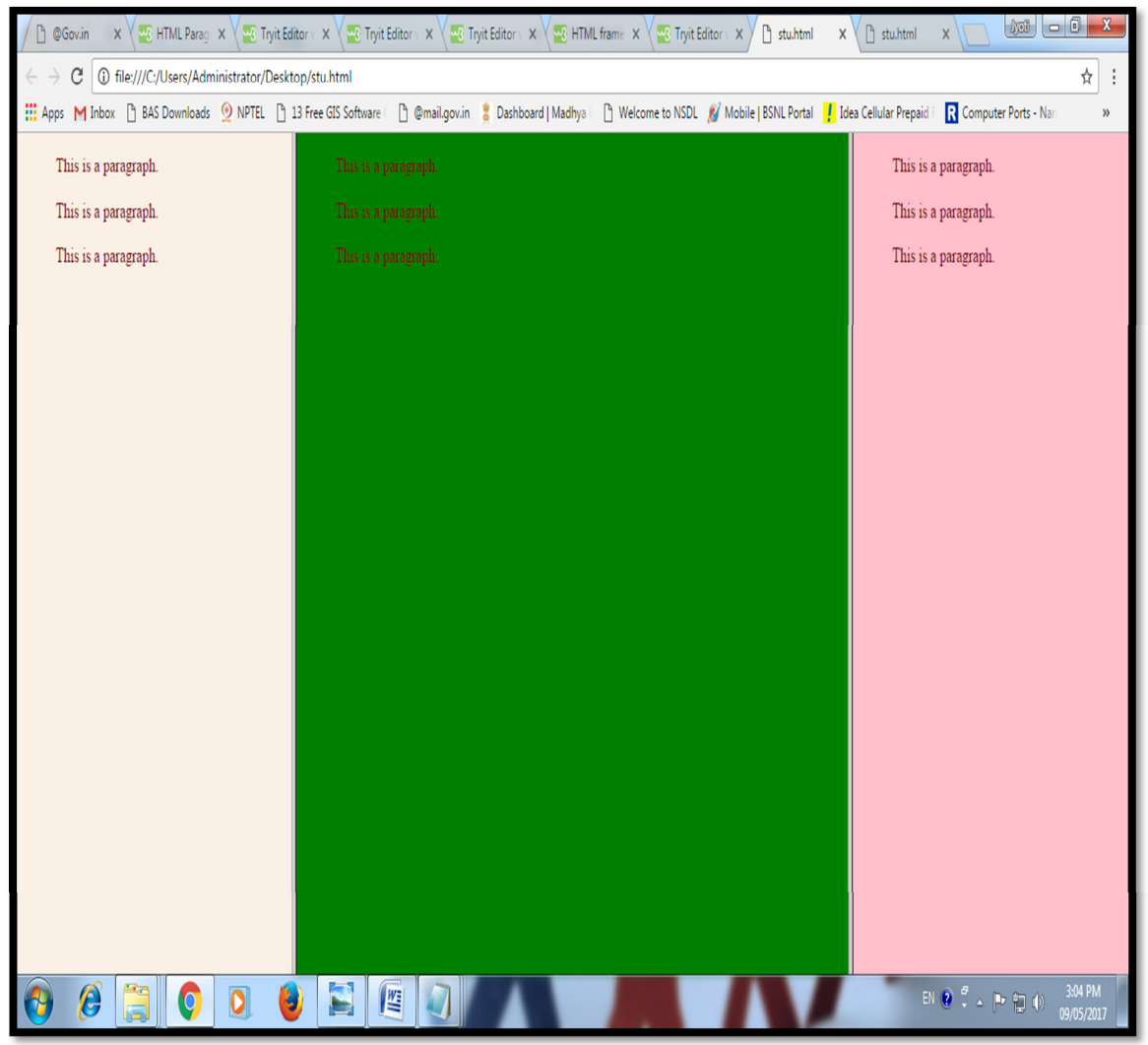


```
<p>This is a paragraph.</p>
```

```
</body>
```

```
</html>
```

OUTPUT



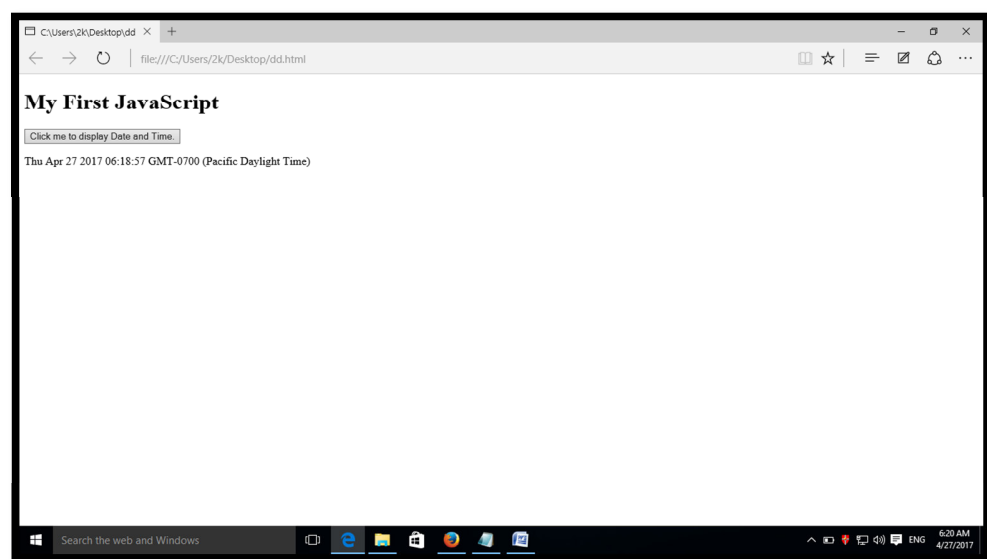
EXPERIMENT NO.-5

AIM:- Write a java script function to display current date and time.

Program:

```
<html>
<body>
<h1>My First JavaScript</h1>
<button type="button"
onclick="document.getElementById('demo').innerHTML = Date()">
Click me to display Date and Time.</button>
<p id="demo"></p>
</body>
</html>
```

OUTPUT



EXPERIMENT NO.-6

AIM:- Design a web page by using pop up boxes.

Program: Alert Box

```
<!DOCTYPE html>

<html>

<head>

<style>

body {

    background-color: lightblue;

}

h2 {

    color: maroon;

    margin-left: 40px;

}

</style>

</head>

<body>

    <h2>JavaScript Alert</h2>

    <button onclick="myFunction()">Try it</button>

    <script>

function myFunction() {

    alert("I am an alert box!");

}

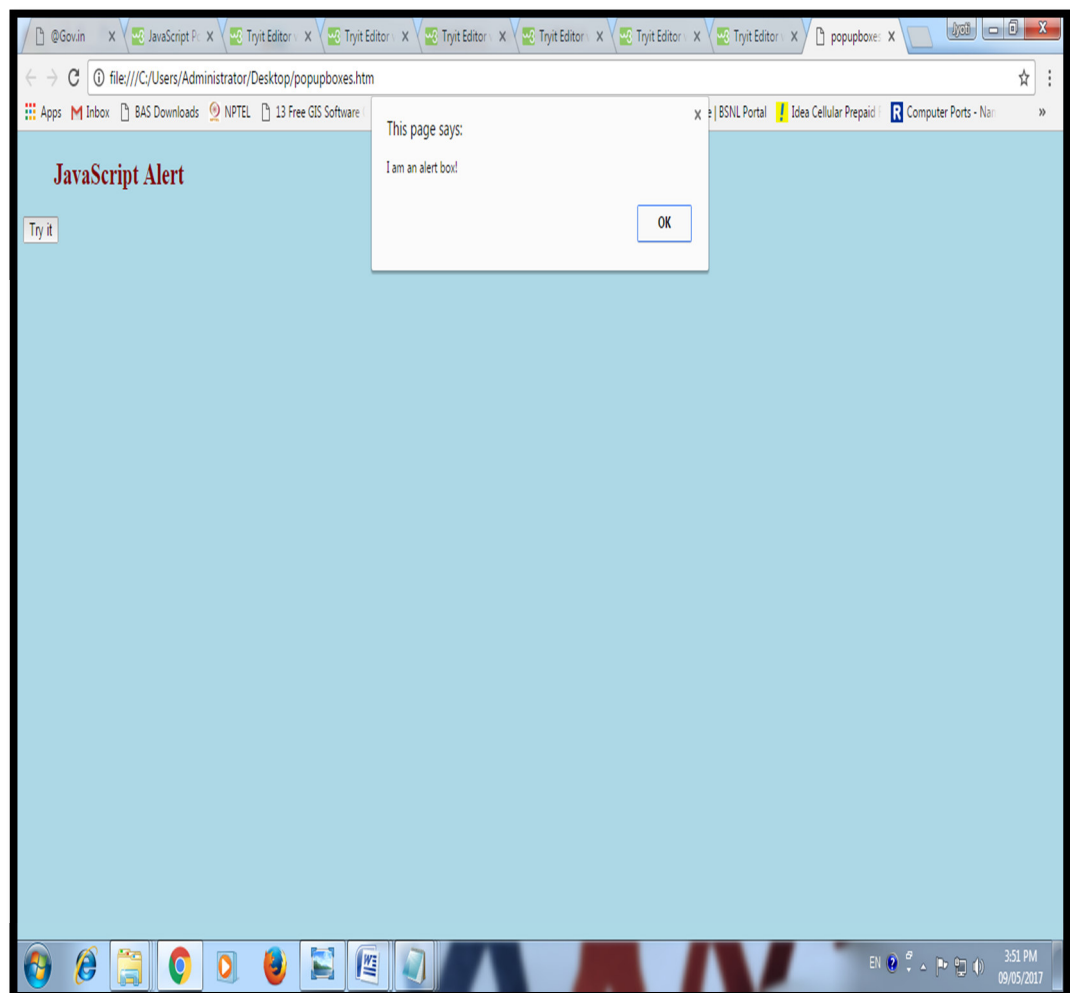

```

```
</script>
```

```
</body>
```

```
</html>
```

OUTPUT :



Confirm Box

```
<!DOCTYPE html>

<html>

<body>

  <h2>JavaScript Confirm Box</h2>

  <button onclick="myFunction()">Try it</button>

  <p id="demo"></p>

  <script>

function myFunction() {

  var txt;

  if (confirm("Press a button!") == true) {

    txt = "You pressed OK!";

  } else {

    txt = "You pressed Cancel!";

  }

  document.getElementById("demo").innerHTML = txt;

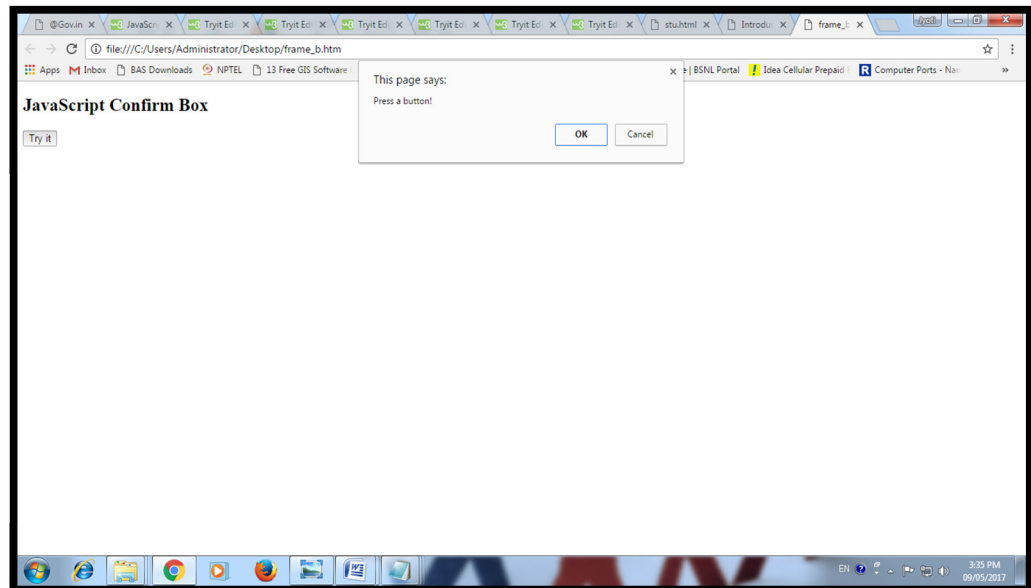
}

</script>

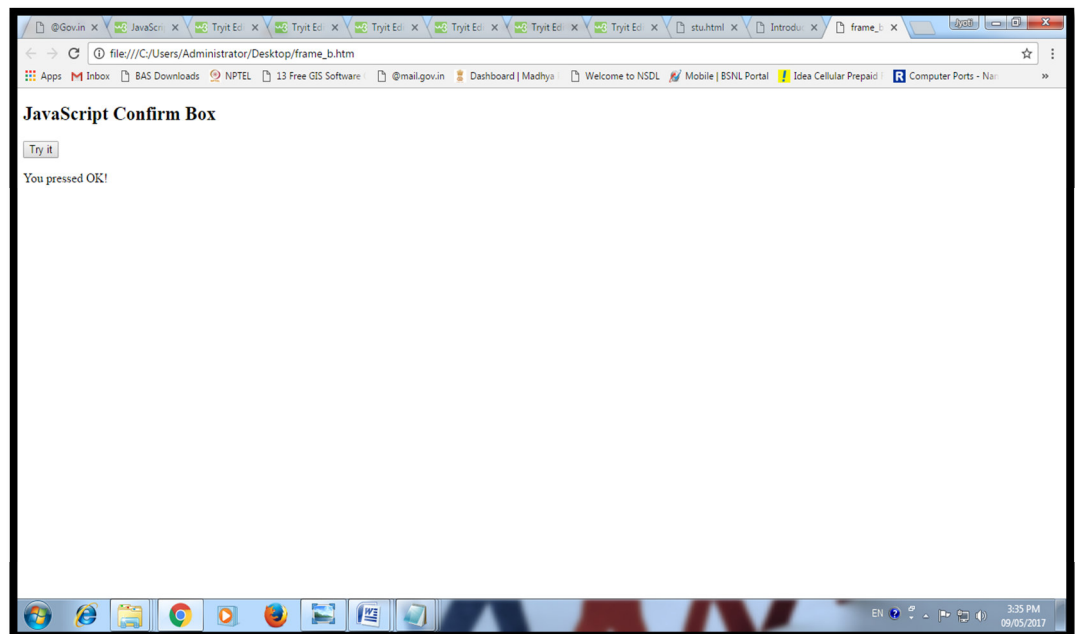
</body>

</html>
```

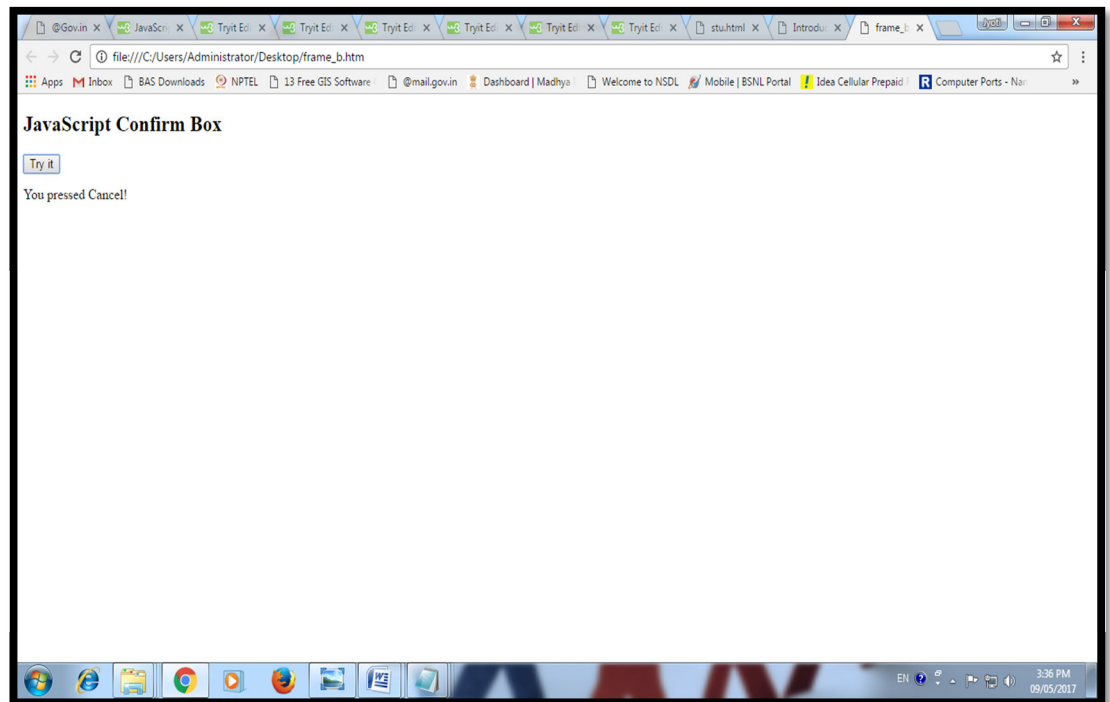
OUTPUT



On clicking "OK"



On clicking “Cancel”



Prompt Box

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript Prompt</h2>
```

```
<button onclick="myFunction()">Try it</button>
```

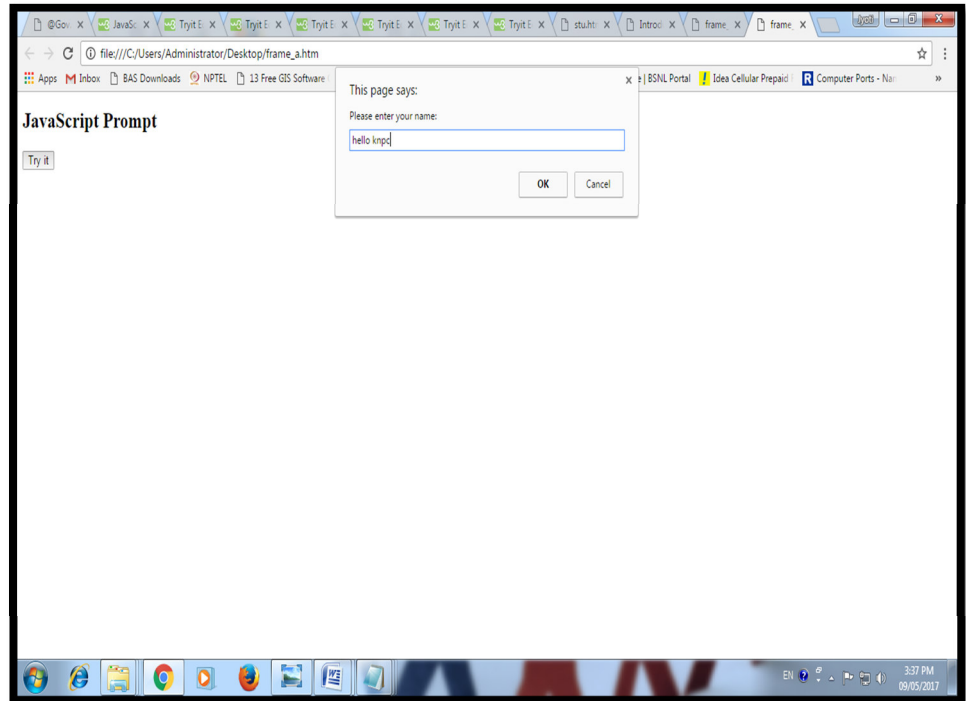
```
<p id="demo"></p>
```

```
<script>
```

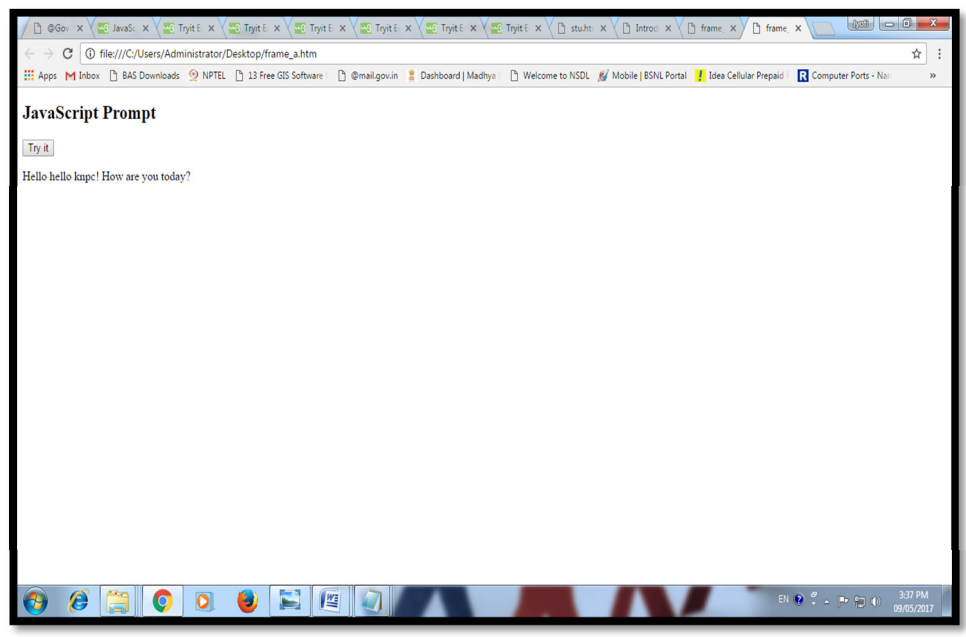


```
function myFunction() {  
    var txt;  
  
    var person = prompt("Please enter your name:", "Harry Potter");  
    if (person == null || person == "")  
    { txt = "User cancelled the prompt."; }  
    else  
    { txt = "Hello " + person + "! How are you today?"; }  
    document.getElementById("demo").innerHTML = txt;  
}  
</script>  
  
</body>  
</html>
```

OUTPUT



On clicking "OK"



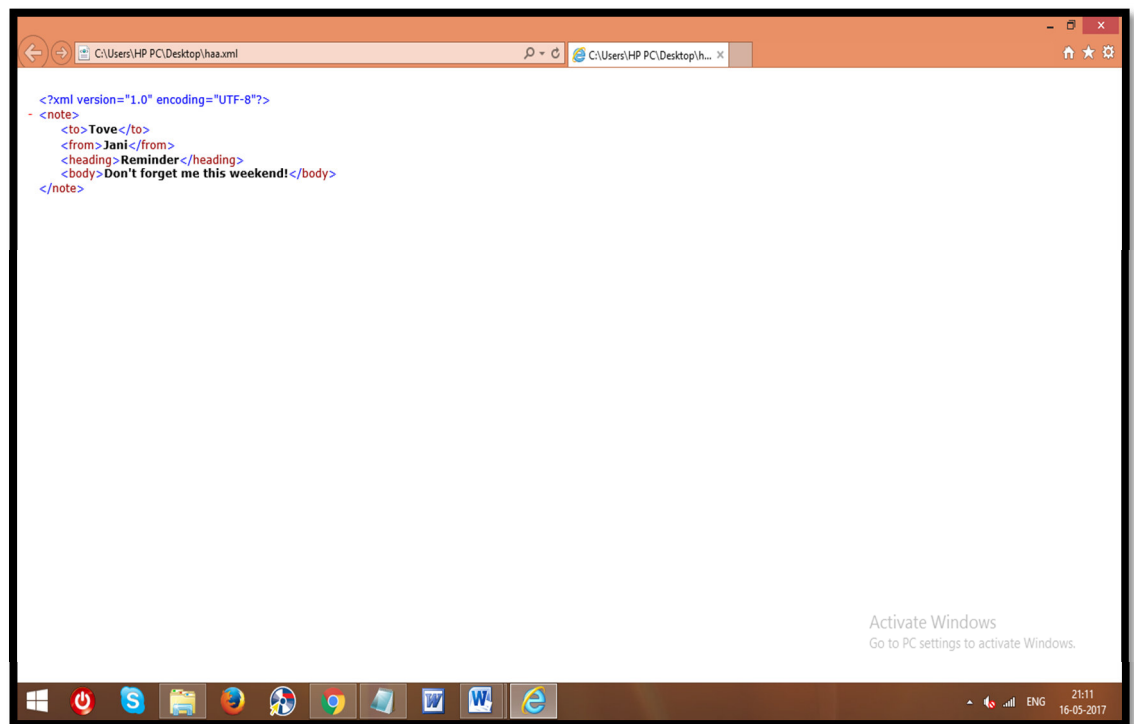
EXPERIMENT NO. - 7

AIM :- Design a xml document using basic syntax.

Program:

```
<?xml version="1.0" encoding="UTF-8"?>
<note>
<to>knpc</to>
<from>IT Dept</from>
<heading>Reminder</heading>
<body>Welcome to KNPC</body>
</note>
```

OUTPUT:



```
<?xml version="1.0" encoding="UTF-8"?>
<note>
  <to>Tove</to>
  <from>Jani</from>
  <heading>Reminder</heading>
  <body>Don't forget me this weekend!</body>
</note>
```

EXPERIMENT NO. - 8

AIM :- Design a student registration form and apply validation on it by using external javascript.

Program:

Registration form(val.html):

```
<html>

<head>

<script type="text/javascript" src="validate.js"></script>

</head>

<body>

<form action="suc.html" name="StudentRegistration" );">

<table cellpadding="2" width="20%" bgcolor="99FFFF" align="center"
cellspacing="2">

<tr>

<td colspan=2>

<center><font size=4><b>Student Registration Form</b></font></center>

</td>

</tr>

<tr>

<td>Name</td>

<td><input type=text name=textnames id="textname" size="30"></td>

</tr>

<tr>
```

```
<td>Father Name</td>
<td><input type="text" name="fathername" id="fathername" size="30"></td>
</tr>
<tr>
<td>Postal Address</td>
<td><input type="text" name="paddress" id="paddress" size="30"></td>
</tr>
<tr>
<td>Personal Address</td>
<td><input type="text" name="personaladdress" id="personaladdress"
size="30"></td>
</tr>
<tr>
<td>Sex</td>
<td><input type="radio" name="sex" value="male" size="10">Male
<input type="radio" name="sex" value="Female" size="10">Female</td>
</tr>
<tr>
<td>City</td>
<td><select name="City">
<option value="-1" selected>select..</option>
<option value="New Delhi">NEW DELHI</option>
<option value="Mumbai">MUMBAI</option>
<option value="jabalpur">Jabalpur</option>
```

```
<option value="Patna">PATNA</option>
</select></td>
</tr>
<tr>
<td>Course</td>
<td><select name="Course">
<option value="-1" selected>select..</option>
<option value="B.Tech">B.TECH</option>
<option value="Diploma">MCA</option>
<option value="MBA">MBA</option>
<option value="BCA">BCA</option>
</select></td>
</tr>
<tr>
<td>District</td>
<td><select name="District">
<option value="-1" selected>select..</option>
<option value="Nalanda">NALANDA</option>
<option value="UP">UP</option>
<option value="Jabalpur">Jabalpur</option>
<option value="Patna">PATNA</option>
</select></td>
</tr>
```

```
<tr>
<td>State</td>
<td><select Name="State">
<option value="-1" selected>select..</option>
<option value="New Delhi">NEW DELHI</option>
<option value="Mumbai">MUMBAI</option>
<option value="MP">MP</option>
<option value="Bihar">BIHAR</option>
</select></td>
</tr>
<tr>
<td>PinCode</td>
<td><input type="text" name="pincode" id="pincode" size="30"></td>
</tr>
<tr>
<td>EmailId</td>
<td><input type="text" name="emailid" id="emailid" size="30"></td>
</tr>
<tr>
<td>DOB</td>
<td><input type="text" name="dob" id="dob" size="30"></td></tr>
<tr>
<td>MobileNo</td>
```

```
<td><input type="text" name="mobilenno" id="mobilenno" size="30">
</td> </tr>
<tr>
<td><input type="reset"></td>
<td colspan="2"><input type="submit" value="Submit Form" /></td>
</tr>
</table>
</form>
</body>
</html>
```

Validation code(validation.js)

```
function validate()
{
  if( document.StudentRegistration.textnames.value == "" )
  {
    alert( "Please provide your Name!" );
    document.StudentRegistration.textnames.focus() ;
    return false;
  }
  if( document.StudentRegistration.fathername.value == "" )
  {
    alert( "Please provide your Father Name!" );
```



```
document.StudentRegistration.fathername.focus() ;  
return false;  
}  
  
if( document.StudentRegistration.paddress.value == "" )  
{  
    alert( "Please provide your Postal Address!" );  
    document.StudentRegistration.paddress.focus() ;  
    return false;  
}  
  
if( document.StudentRegistration.personaladdress.value == "" )  
{  
    alert( "Please provide your Personal Address!" );  
    document.StudentRegistration.personaladdress.focus() ;  
    return false;  
}  
  
if ( ( StudentRegistration.sex[0].checked == false ) && ( StudentRegistration.sex[1].checked == false ) )  
{  
    alert ( "Please choose your Gender: Male or Female" );  
    return false;  
}  
  
if( document.StudentRegistration.City.value == "-1" )  
{
```

```
    alert( "Please provide your City!" );
    document.StudentRegistration.City.focus() ;
    return false;
}
if( document.StudentRegistration.Course.value == "-1" )
{
    alert( "Please provide your Course!" );

    return false;
}
if( document.StudentRegistration.District.value == "-1" )
{
    alert( "Please provide your Select District!" );

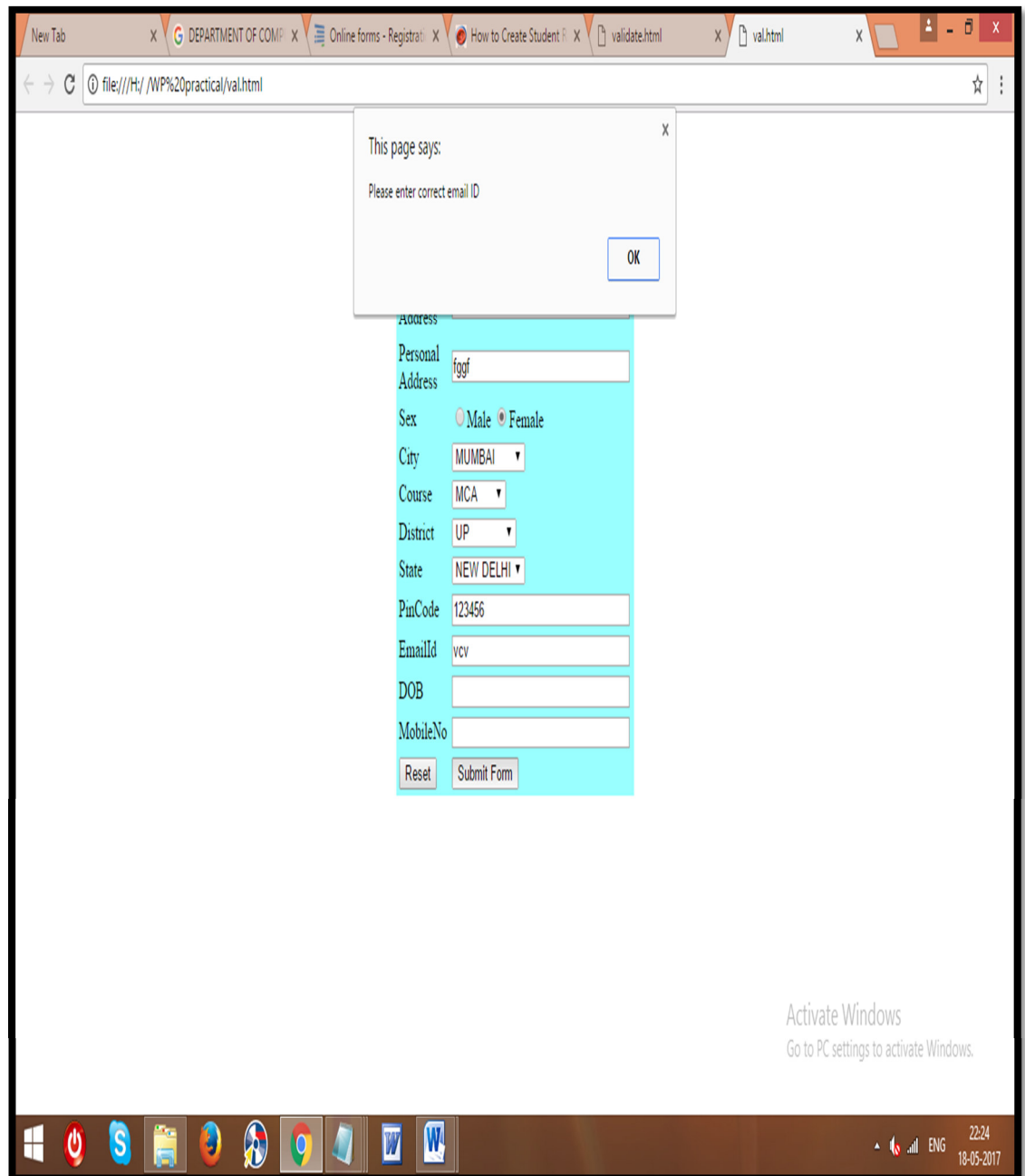
    return false;
}
if( document.StudentRegistration.State.value == "-1" )
{
    alert( "Please provide your Select State!" );

    return false;
}
if( document.StudentRegistration.pincode.value == "" ||
```

```
        isNaN( document.StudentRegistration.pincode.value) ||
        document.StudentRegistration.pincode.value.length != 6 )
    {
        alert( "Please provide a pincode in the format ######." );
        document.StudentRegistration.pincode.focus() ;
        return false;
    }
var email = document.StudentRegistration.emailid.value;
atpos = email.indexOf("@");
dotpos = email.lastIndexOf(".");
if (email == "" || atpos < 1 || ( dotpos - atpos < 2 ))
{
    alert("Please enter correct email ID")
    document.StudentRegistration.emailid.focus() ;
    return false;
}
if( document.StudentRegistration.dob.value == "" )
{
    alert( "Please provide your DOB!" );
    document.StudentRegistration.dob.focus() ;
    return false;
}
if( document.StudentRegistration.mobilenumber.value == "" ||
```

```
        isNaN( document.StudentRegistration.mobilenumber.value ) ||
        document.StudentRegistration.mobilenumber.value.length != 10 )
    {
        alert( "Please provide a Mobile No in the format 123." );
        document.StudentRegistration.mobilenumber.focus() ;
        return false;
    }
    return( true );}
```

OUTPUT:



EXPERIMENT NO. - 9

AIM :- Design a simple Calculator by using html , css, and javascript.

Program:

```
<html>
<head></head>
<body>
<h3>Simple Calculator</h3>
<br/>
<style>
#calc{ width:300px;height:250px;}
#btn{ width:100%;height:40px;font-size:20px;}
</style>
<form Name="calc">
<table id="calc" border=2>
<tr>
<td colspan=5><input id="btn" name="display" onkeypress="return
event.charCode >= 48 && event.charCode <= 57" type="text"></td>
<td style="display:none"><input name="M" type="number"></td>
</tr>
<tr>
<td><input id="btn" type=button value="MC" OnClick="calc.M.value=""></td>
```

```
<td><input id="btn" type=button value="0"
OnClick="calc.display.value+='0'"></td>

<td><input id="btn" type=button value="1"
OnClick="calc.display.value+='1'"></td>

<td><input id="btn" type=button value="2"
OnClick="calc.display.value+='2'"></td>

<td><input id="btn" type=button value="+"
OnClick="calc.display.value+='+'"></td>

</tr>

<tr>

<td><input id="btn" type=button value="MS"
OnClick="calc.M.value=calc.display.value"></td>

<td><input id="btn" type=button value="3"
OnClick="calc.display.value+='3'"></td>

<td><input id="btn" type=button value="4"
OnClick="calc.display.value+='4'"></td>

<td><input id="btn" type=button value="5"
OnClick="calc.display.value+='5'"></td>

<td><input id="btn" type=button value="-" OnClick="calc.display.value+='-'"></td>

</tr>

<tr>

<td><input id="btn" type=button value="MR"
OnClick="calc.display.value=calc.M.value"></td>

<td><input id="btn" type=button value="6"
OnClick="calc.display.value+='6'"></td>

<td><input id="btn" type=button value="7"
OnClick="calc.display.value+='7'"></td>
```

```
<td><input id="btn" type=button value="8"
OnClick="calc.display.value+='8'"></td>

<td><input id="btn" type=button value="x"
OnClick="calc.display.value+='*'"></td>

</tr>

<tr>

<td><input id="btn" type=button value="M+"
OnClick="calc.M.value=(Number(calc.M.value))+(Number(calc.display.value))"
></td>

<td><input id="btn" type=button value="9"
OnClick="calc.display.value+='9'"></td>

<td><input id="btn" type=button value="±"

OnClick="calc.display.value=(calc.display.value==Math.abs(calc.display.value)?
-(calc.display.value):Math.abs(calc.display.value))">

</td>

<td><input id="btn" type=button value="="
OnClick="calc.display.value=eval(calc.display.value)"></td>

<td><input id="btn" type=button value="/"
OnClick="calc.display.value+='/'"></td>

</tr>

<tr>

<td><input id="btn" type=button value="1/x"
OnClick="calc.display.value=1/calc.display.value"></td>

<td><input id="btn" type=button value="."
OnClick="calc.display.value+='.'"></td>
```



```
<td><input id="btn" type=button value="x2"
OnClick="calc.display.value=Math.pow(calc.display.value,2)"></td>

<td><input id="btn" type=button value="√"
OnClick="calc.display.value=Math.sqrt(calc.display.value)"></td>

<td><input id="btn" type=button value="C"
OnClick="calc.display.value=""></td>

</tr>

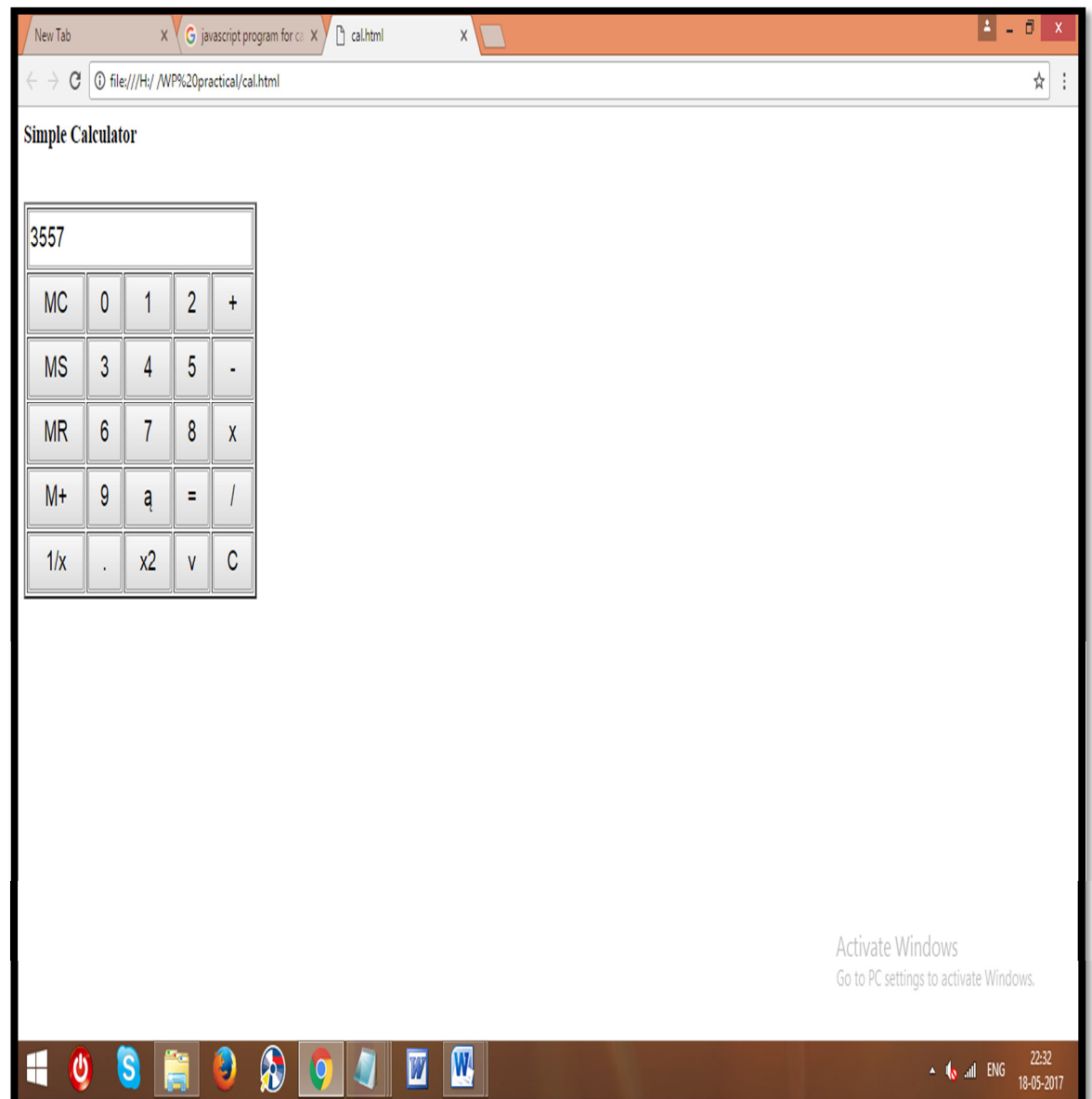
</table>

</form>

</body>

</html>
```

OUTPUT:



EXPERIMENT NO. - 10

AIM :- Write a Javascript program to Calculate Factorial of any number by using html.

Program:

```
<!doctype html>

<html>

<head>

<script>

function show(){

var i, no, fact;

fact=1;

no=Number(document.getElementById("num").value);

for(i=1; i<=no; i++)

{

fact= fact*i;

}

document.getElementById("answer").value= fact;

}

</script>

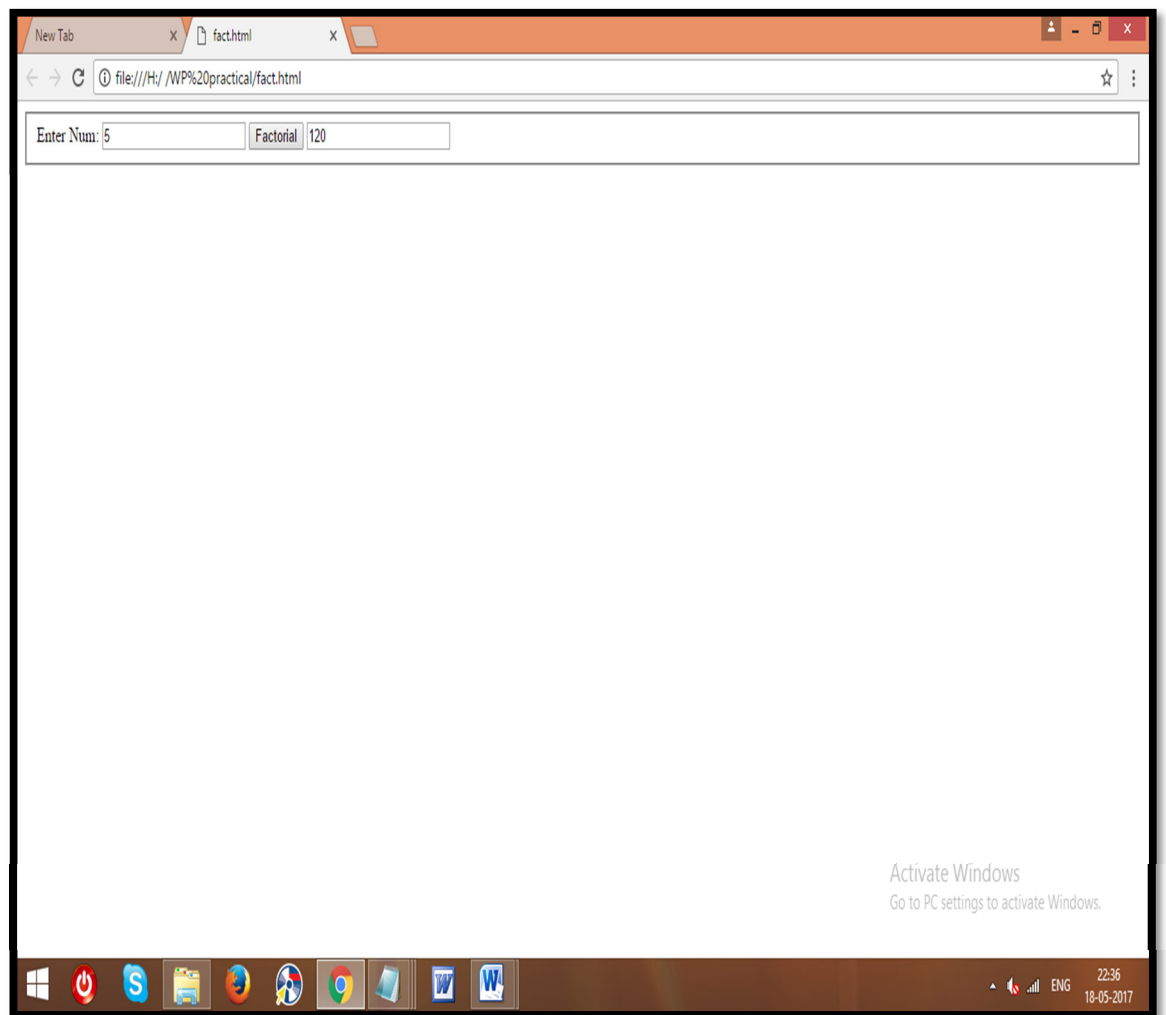
</head>

<body>

<fieldset>
```

```
Enter Num: <input id="num">  
<button onclick="show()">Factorial</button>  
<input id="answer">  
</fieldset>  
</body>  
</html>
```

OUTPUT:



EXPERIMENT NO. - 11

AIM :- Write a program to style the link using pseudoclasses in css.

Pseudoclasses

/*A pseudo-class is used to define a special state of an element.

For example, it can be used to:

Style an element when a user mouses over it

Style visited and unvisited links differently

Style an element when it gets focus*/

Program:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
/* unvisited link */
```

```
a:link {
```

```
    color: red;
```

```
}
```

```
/* visited link */
```

```
a:visited {
```

```
    color: green;
```

```
}

/* mouse over link */
a:hover {
    color: hotpink;
}

/* selected link */
a:active {
    color: blue;
}
</style>

</head>
<body>
<p><b><a href="reg.html" target="_blank"><h1>This is a
link</h1></a></b></p>

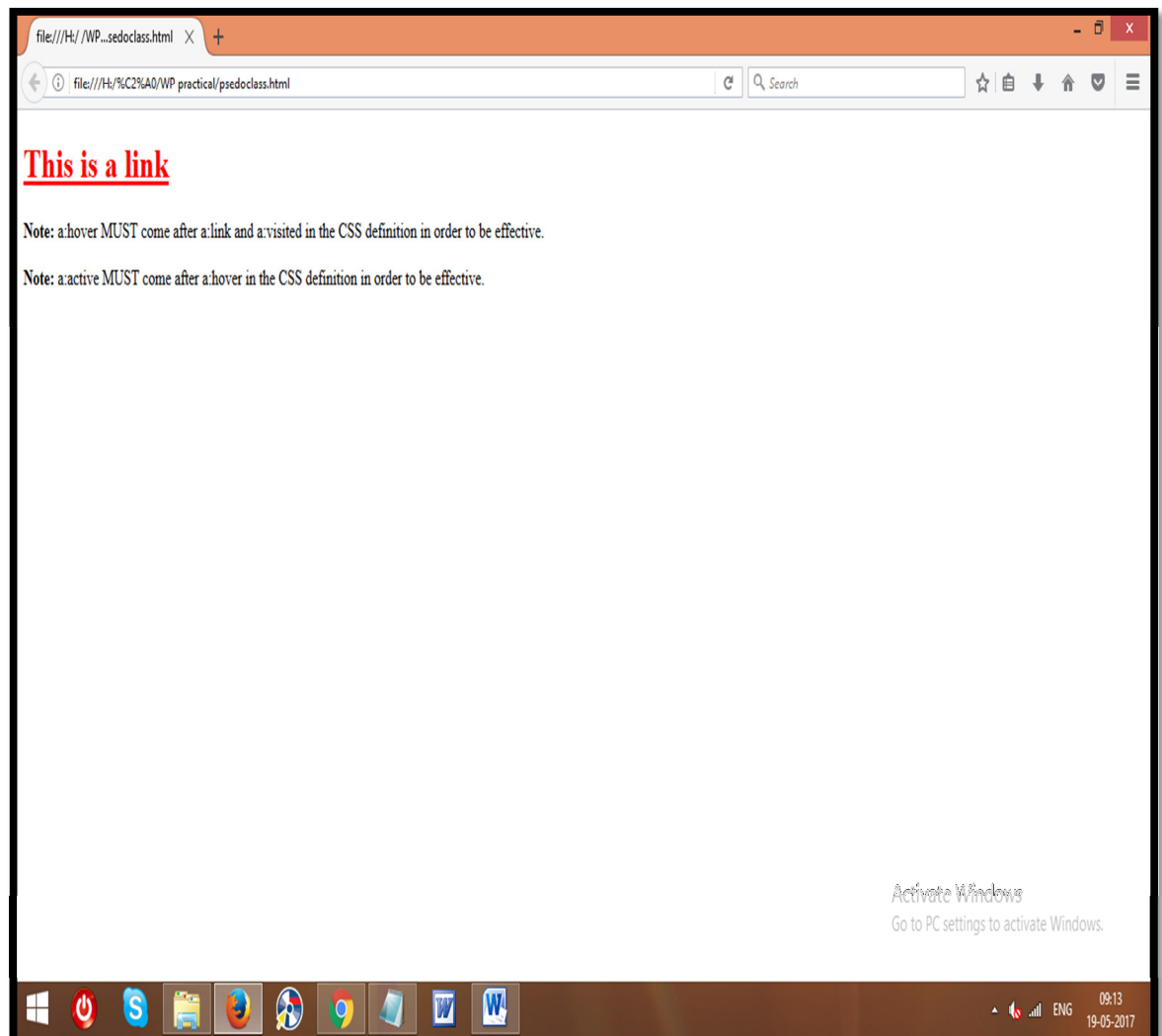
<p><b>Note:</b> a:hover MUST come after a:link and a:visited in the CSS
definition in order to be effective.</p>

<p><b>Note:</b> a:active MUST come after a:hover in the CSS definition in
order to be effective.</p>

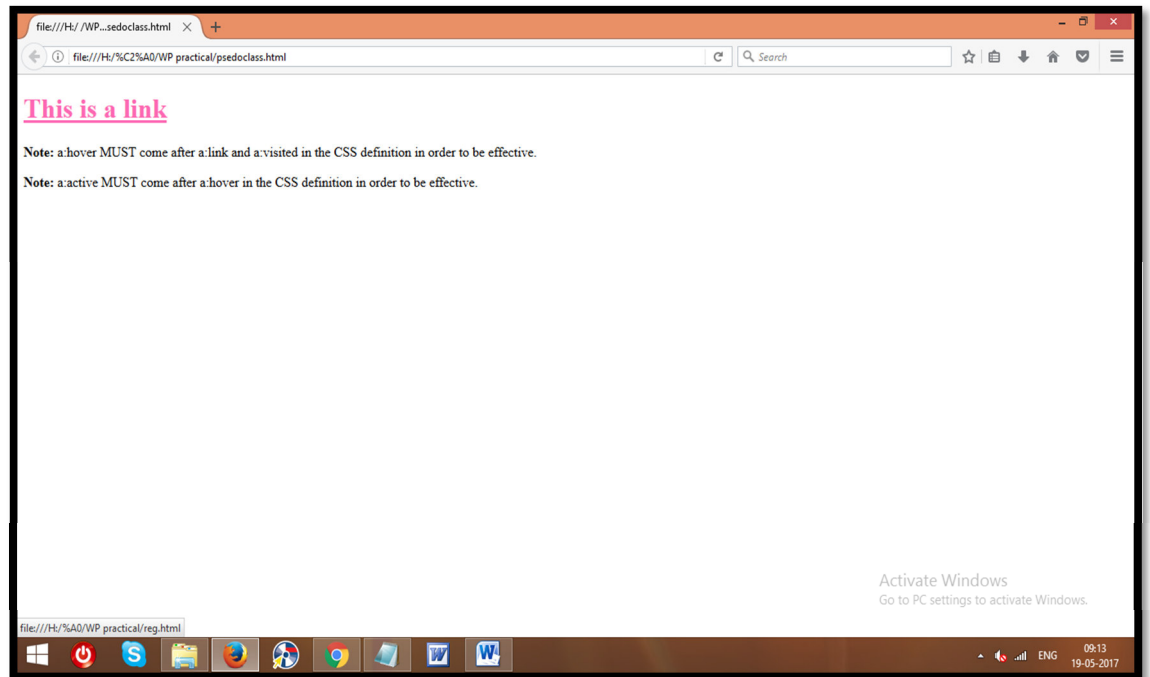
</body>
</html>
```

OUTPUT:

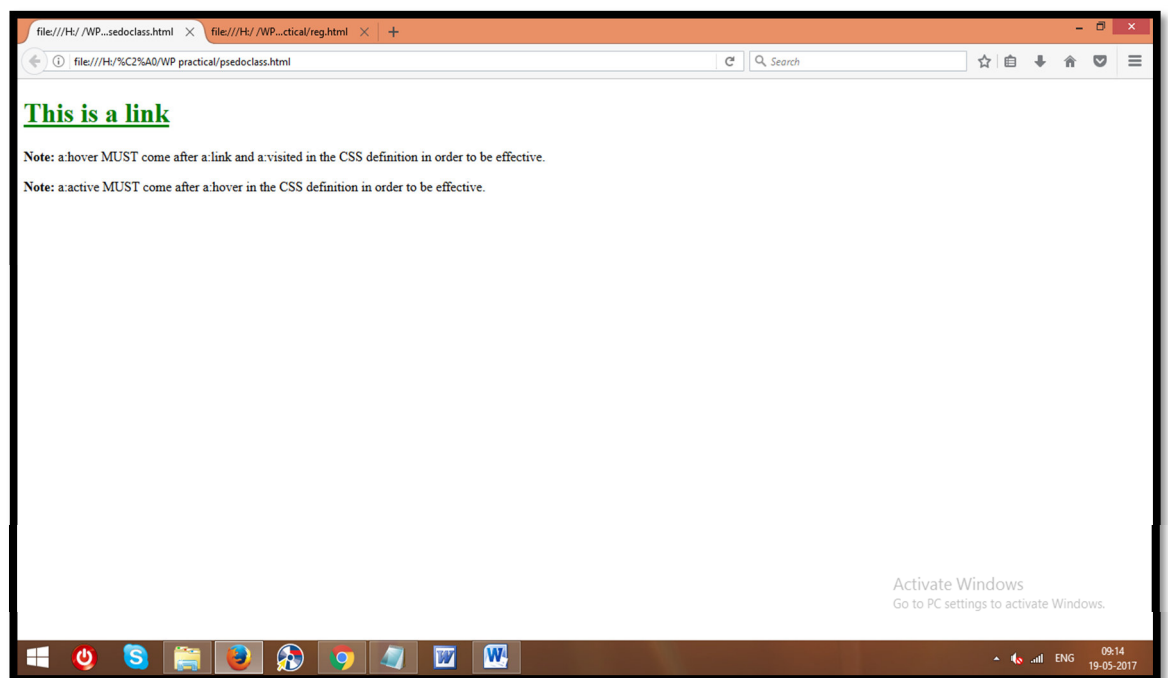
a:link



a:hover



a:visited



EXPERIMENT NO. - 12

AIM :- Write a program to style the first letter, line of an element and insert content before or after the content of an element using pseudo-element in css.

Pseudo-element

/*A CSS pseudo-element is used to style specified parts of an element.

For example, it can be used to:

Style the first letter, or line, of an element

Insert content before, or after, the content of an element*/

Program:

```
<!DOCTYPE html>
<html>
<head>
<style>
p::first-letter {
    color: #ff0000;
    font-size: xx-large;
}
p::first-line {
    color: #0000ff;
    font-variant: small-caps;
}
```

```
h1::before {
    content: url("C:\Users\HP PC\Desktop\images.jpg");
}
h1::after {
    content: url("C:\Users\HP PC\Desktop\images.jpg");
}
```

```
</style>
```

```
</head>
```

```
<body>
```

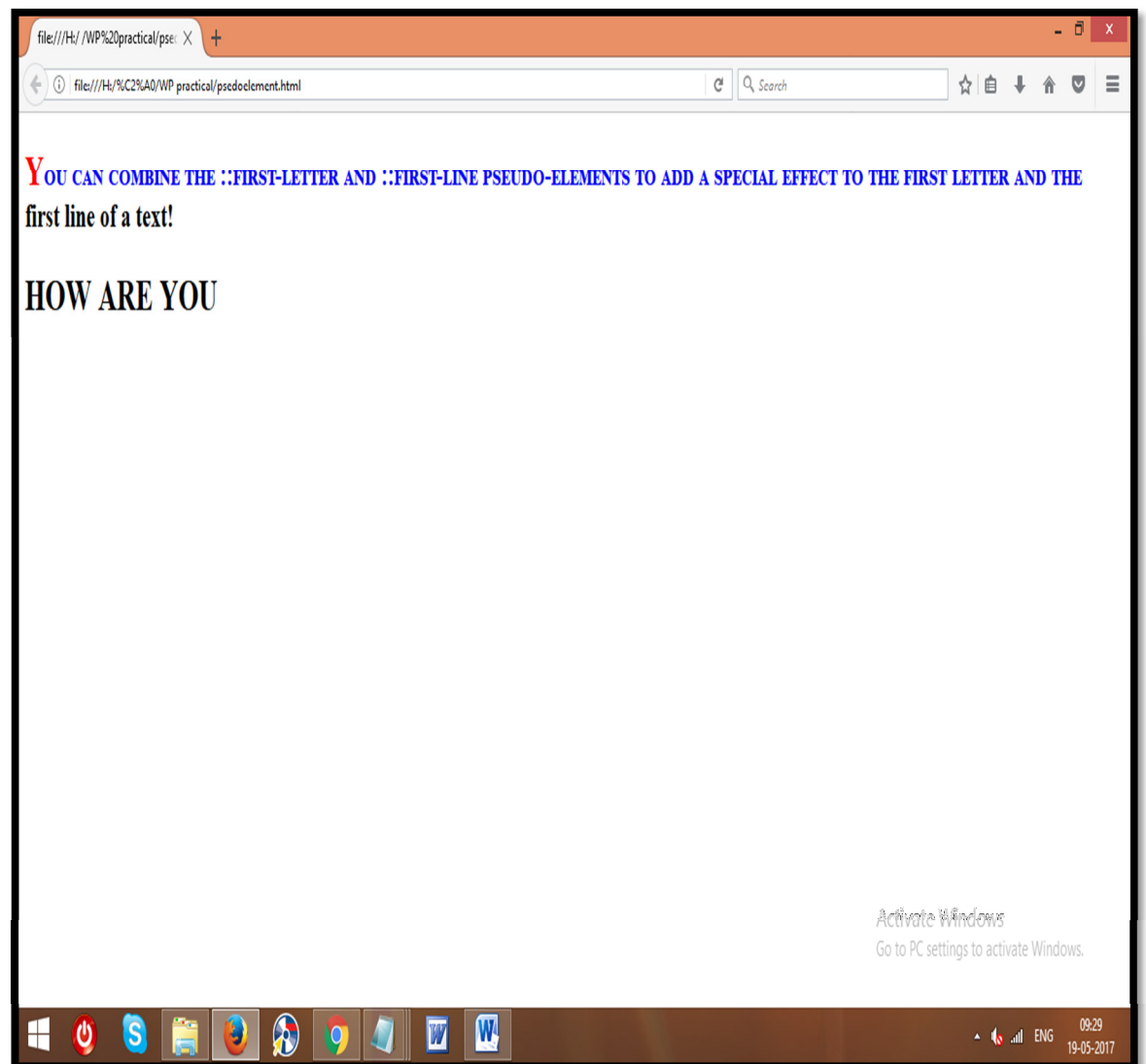
```
<h2><p>You can combine the ::first-letter and ::first-line pseudo-elements to add a special effect to the first letter and the first line of a text!</p></h2>
```

```
<h1>HOW ARE YOU</h1>
```

```
</body>
```

```
</html>
```

OUTPUT:



EXPERIMENT NO. - 13

AIM :- Design a Horizontal Dropdown menu inside Navigation bar by using CSS.

Program:

```
<!DOCTYPE html>

<html>

<head>

<style>

ul {

    list-style-type: none;

    margin: 0;

    padding: 0;

    overflow: hidden;

    background-color: #333;

}li {

    float: left;

}li a, .dropbtn {

    display: inline-block;

    color: white;

    text-align: center;

    padding: 14px 16px;

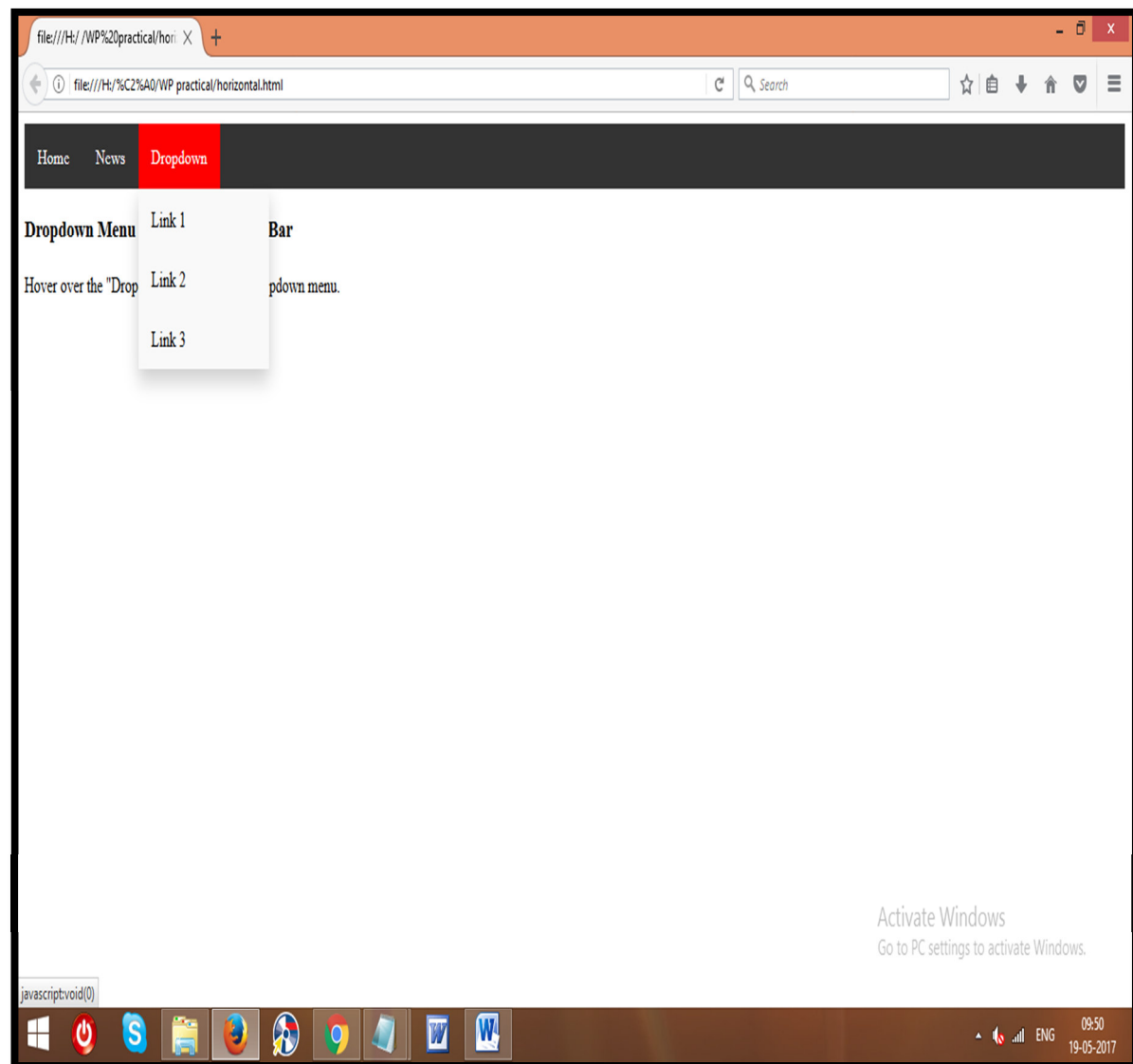
    text-decoration: none;

}
```

```
li a:hover, .dropdown:hover .dropbtn {
    background-color: red;
}
li.dropdown {
    display: inline-block;
}.dropdown-content {
    display: none;
    position: absolute;
    background-color: #f9f9f9;
    min-width: 160px;
    box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);
    z-index: 1;
}.dropdown-content a {
    color: black;
    padding: 12px 16px;
    text-decoration: none;
    display: block;
    text-align: left;
}
.dropdown-content a:hover {background-color: #f1f1f1}
.dropdown:hover .dropdown-content {
    display: block;
}
```

```
</style>
</head>
<body>
<ul>
  <li><a href="#home">Home</a></li>
  <li><a href="#news">News</a></li>
  <li class="dropdown">
    <a href="javascript:void(0)" class="dropbtn">Dropdown</a>
    <div class="dropdown-content">
      <a href="#">Link 1</a>
      <a href="#">Link 2</a>
      <a href="#">Link 3</a>
    </div>
  </li>
</ul>
<h3>Dropdown Menu inside a Navigation Bar</h3>
<p>Hover over the "Dropdown" link to see the dropdown menu.</p>
</body>
</html>
```

OUTPUT:



EXPERIMENT NO. - 14

AIM :- Design a Alert Buttons in CSS.

Program:

```
<!DOCTYPE html>

<html>

<head>

<style>

.btn {

    border: none;

    color: white;

    padding: 14px 28px;

    font-size: 16px;

    cursor: pointer;

}

.success { background-color: #4CAF50;} /* Green */

.success:hover { background-color: #46a049;}

.info {background-color: #2196F3;} /* Blue */

.info:hover {background: #0b7dda;}

.warning { background-color: #ff9800;} /* Orange */

.warning:hover {background: #e68a00;}
```

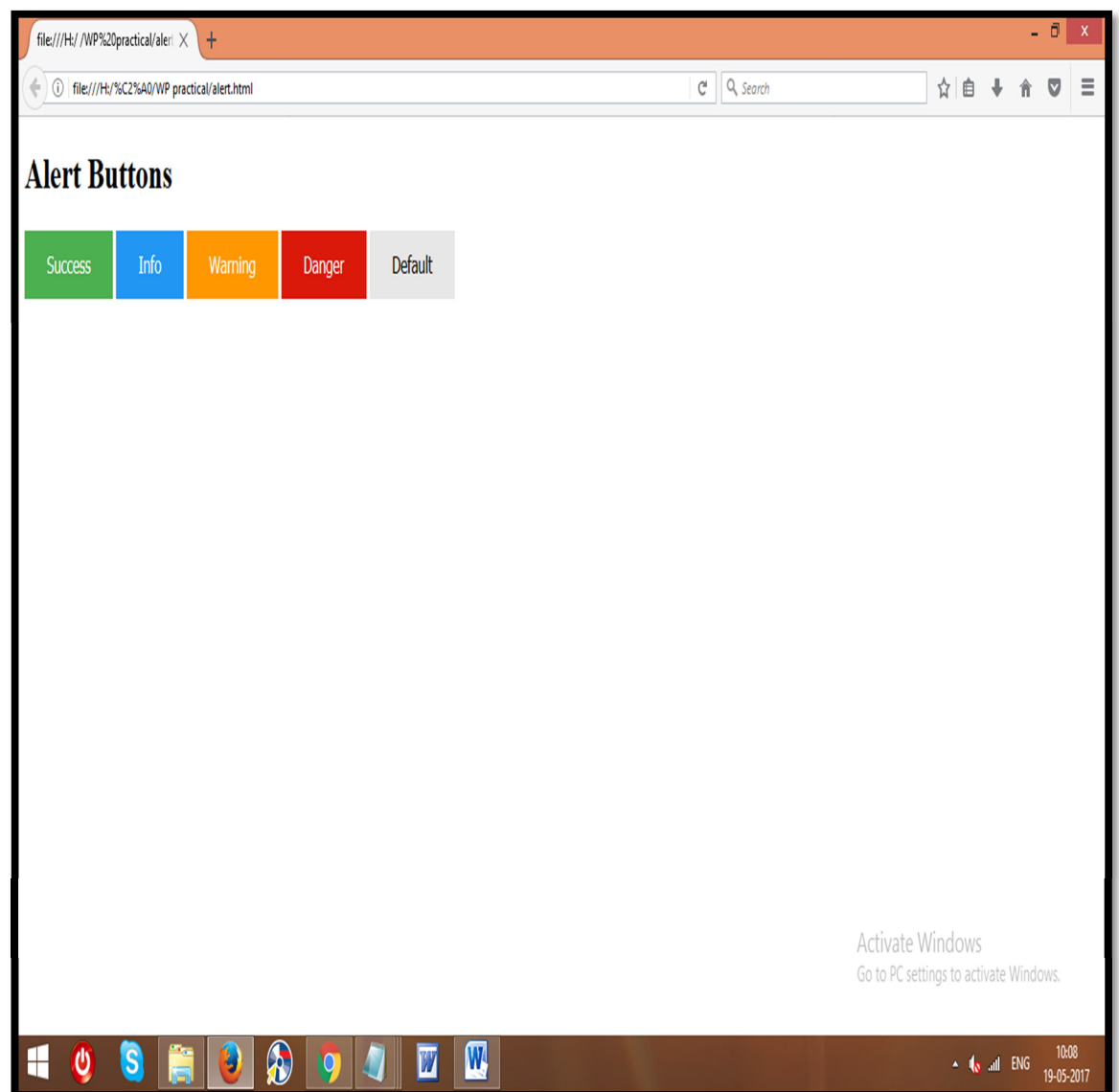
```
.danger {background-color: #f44336;} /* Red */
.danger:hover {background: #da190b;}
.default {background-color: #e7e7e7; color: black;} /* Gray */
.default:hover {background: #ddd;}

</style>
</head>
<body>
<h1>Alert Buttons</h1>

<button class="btn success">Success</button>
<button class="btn info">Info</button>
<button class="btn warning">Warning</button>
<button class="btn danger">Danger</button>
<button class="btn default">Default</button>

</body>
</html>
```

OUTPUT:



EXPERIMENT NO. - 14

AIM :- Design a Loading Buttons in CSS.

Program:

```
<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">

<style>

.buttonload {

    background-color: #4CAF50; /* Green background */

    border: none; /* Remove borders */

    color: white; /* White text */

    padding: 12px 24px; /* Some padding */

    font-size: 16px; /* Set a font-size */

}

/* Add a right margin to each icon */

.fa {

    margin-left: -12px;

    margin-right: 8px;

}

</style>

</head>
```

```
<body>

<h2>Loading Buttons</h2>

<button class="buttonload">
  <i class="fa fa-spinner fa-spin"></i>Loading
</button>

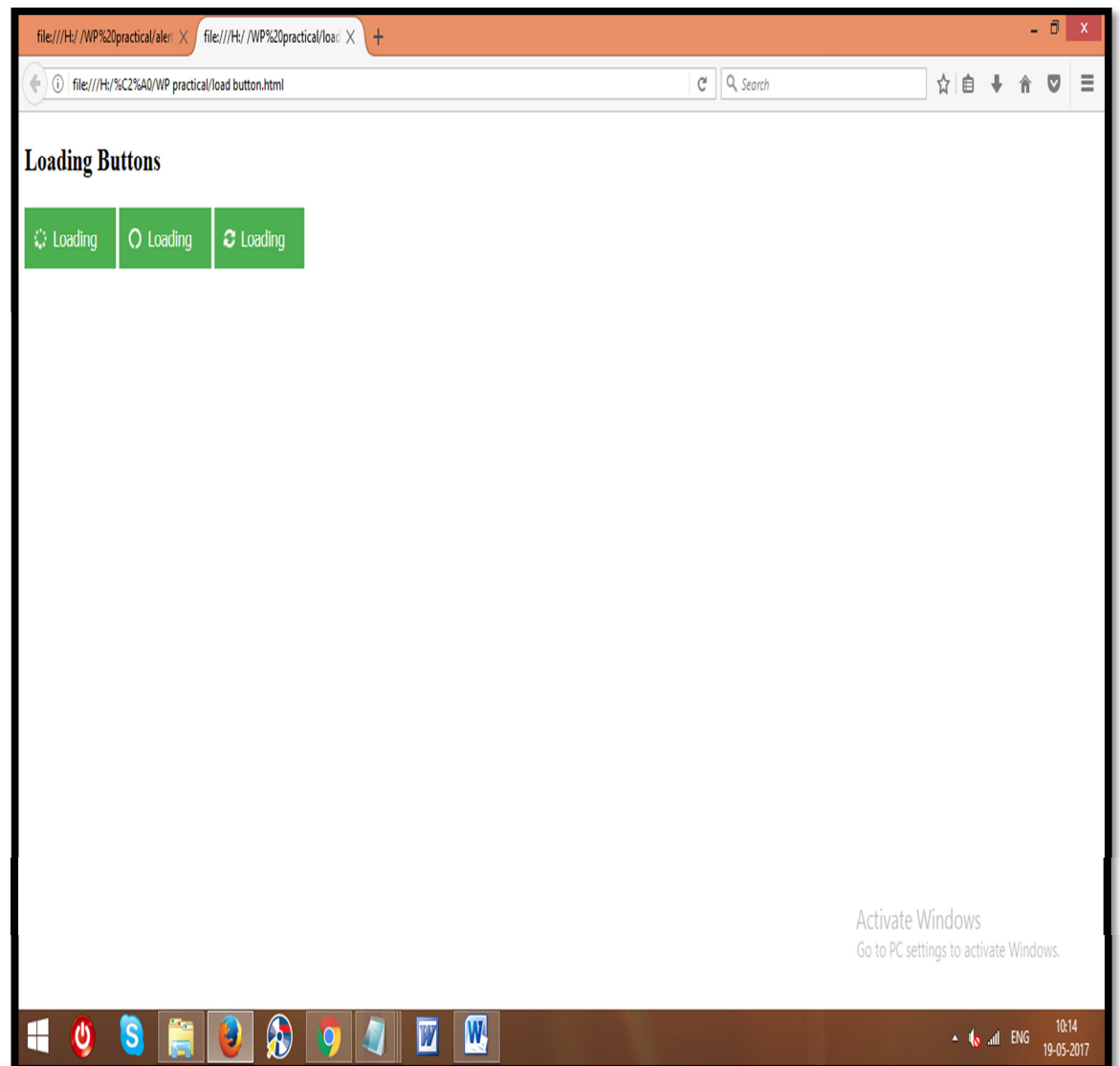
<button class="buttonload">
  <i class="fa fa-circle-o-notch fa-spin"></i>Loading
</button>

<button class="buttonload">
  <i class="fa fa-refresh fa-spin"></i>Loading
</button>

</body>

</html>
```

OUTPUT:



Practical Lab manual, Branch- Information Technology, IV sem,Subject-Web Programming Lab, Subject Code-404,

Developed by- Kripa Singh, Kalaniketan Polytechnic College, Jabalpur
