BHARATH INSTITUTE OF SCIENCE & TECHNOLOGY

173,Agaram Road,Selaiyur,Chennai-600073,TamilNadu,India.

SCHOOL OF COMPUTING

Department of Computer Science & Engineering

BACHELOR OF TECHNOLOGY

COURSE CODE: U20CSCJ09

Internet and Mobile Programming

LABORATORY RECORD

Name of the Student:

Batch: 2020-2024 **Year: III** **Term/Semester: VI** **Section:**

Register No:

JUNE 2023

BHARATH INSTITUTE OF SCIENCE & TECHNOLOGY

173, Agaram Road,Selaiyur,Chennai-600073,TamilNadu,India.

Name:_____

Programme:_____ Branch:_____

Year:_____ Semester:_____

Register No:

Certified that this is the bonafide record of work done by the above student in the

……laboratory during the

…… Semester in the Academic Year 2022-2023

Faculty In-charge **Head of Department**

Submitted for the practical Examination held on……

Internal Examiner **External Examiner**

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2		Create a web page with the following. a. Cascading style sheets. b. Embedded style sheets. c. Inline style sheets. Use our college information for the web pages.		
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Ex.No:1
Date:

To Create a Web page using HTML tags

Aim:

To create a web page with the following using HTML

a. To embed a map in a web page.
b. To fix the hot spots in that map.
c. Show all the related information when the hot spots are clicked.

Algorithm:

1. Start the program.
2. Get the india map image and link it to the package.
3. Fix the hotspots in that image.
4. Map the reference of the hotspots in the image.
5. Mention the derived link.
6. Click the link to get the desired image.
7. Stop the program.

Implementation:

Main.html

```
<html>
<head>
<BODY bgcolor="#gop6876cgdt5564ss">
<img src ="indiamap.jpeg" usemap="indiamap" />
<map name=indiamap>
<AREA SHAPE="rect" COORDS="190,477,251,562"
HREF="tamilnadu.html"target="tamilnadu.html" ><AREA SHAPE="rect"
COORDS="158,477,195,564" HREF="kerala.html"target="kerala.html" >
<AREA SHAPE="rect" COORDS="217,378,238,472,350,361"
HREF="andhra.html"target="andhra.html" >
<AREA SHAPE="rect" COORDS="160,474,212,401,189,436"
HREF="karnataka.html"target="karnataka.html" >
<AREA SHAPE="rect" COORDS="137,382,219,311,129,331"
HREF="maharashtra.html"target="maharashtra.html" >
<AREA SHAPE="rect" COORDS="392,319,334,304,309,362,"
HREF="orissa.html"target="orissa.html" >
<AREA SHAPE="rect" COORDS="232,244,238,306,168,283"
HREF="madhayapradesh.html"target="madhayapradesh.html" >
</map></head></html>
```

Tamiladu.html

```
<html>
<head>
<body bgcolor="#fggbhjgdhg"/>
<center>
<h2>it is a tamilnadu,here maximum tamilan living and capital of tamilnadu is</h2>
<h1>chennai<h1>
</center></head>
```

<html>

Kerala.html

```
<html>
<head>
<body bgcolor="#7674dshddf"/>
<center>it is a kerala,here maximum malaiyalees living and capital of kerala is
<h1>Thiruvananthapuram</h1>
</center>
</head>
</html>
```

Karnataka.html

```
<html>
<head>
<body bgcolor="#7674dshddf"/>
<center>it is a karnataka,here maximum kannadam living and capital of karnataka is
<h1>Bangalore</h1>
</center>
</head>
</html>
```

Madhyapradesh.html

```
<html>
<head>
<body bgcolor="blue"/>
<center>it is a madhyapradesh,here maximum maratiyam living and capital of madhyapradeshis
<h1>BHOPAL</h1>
</center>
</head>
</html>
```

Maharastra.html

```
<html>
<head>
<body bgcolor="blue"/>
<center>it is a maharashtra,here maximum maratiyam living and capital of maharashtra is
<h1>Mumbai</h1>
</center>
</head>
</html>
```

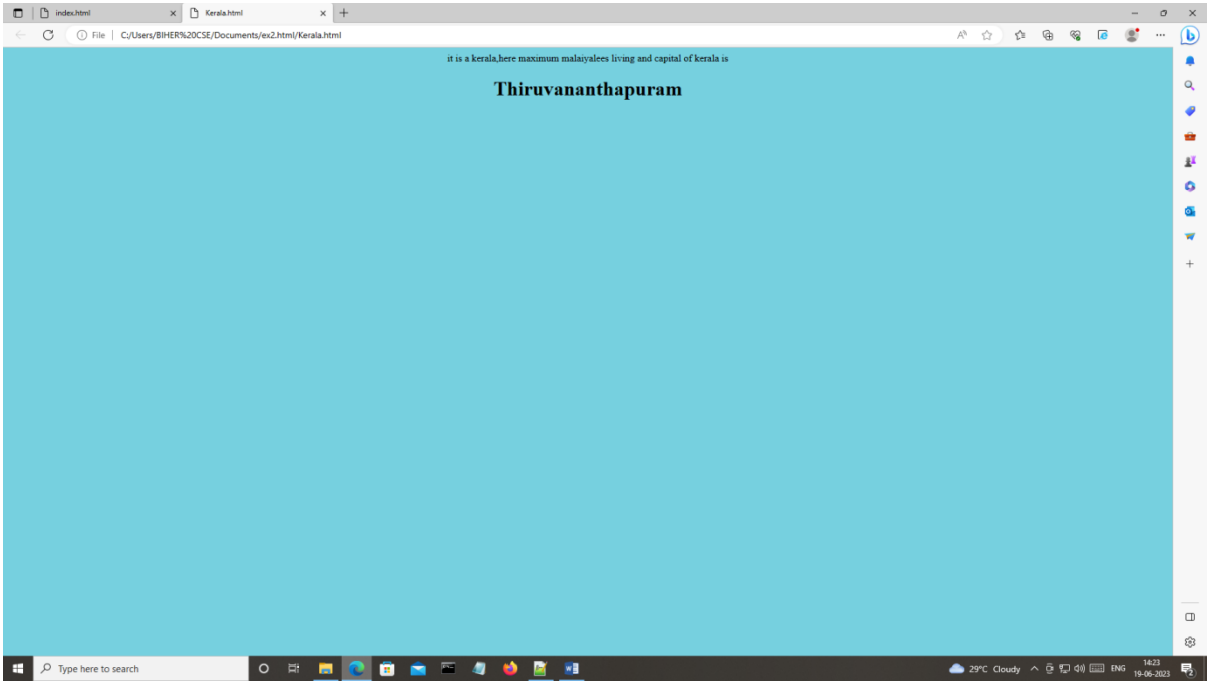
Orissa.html

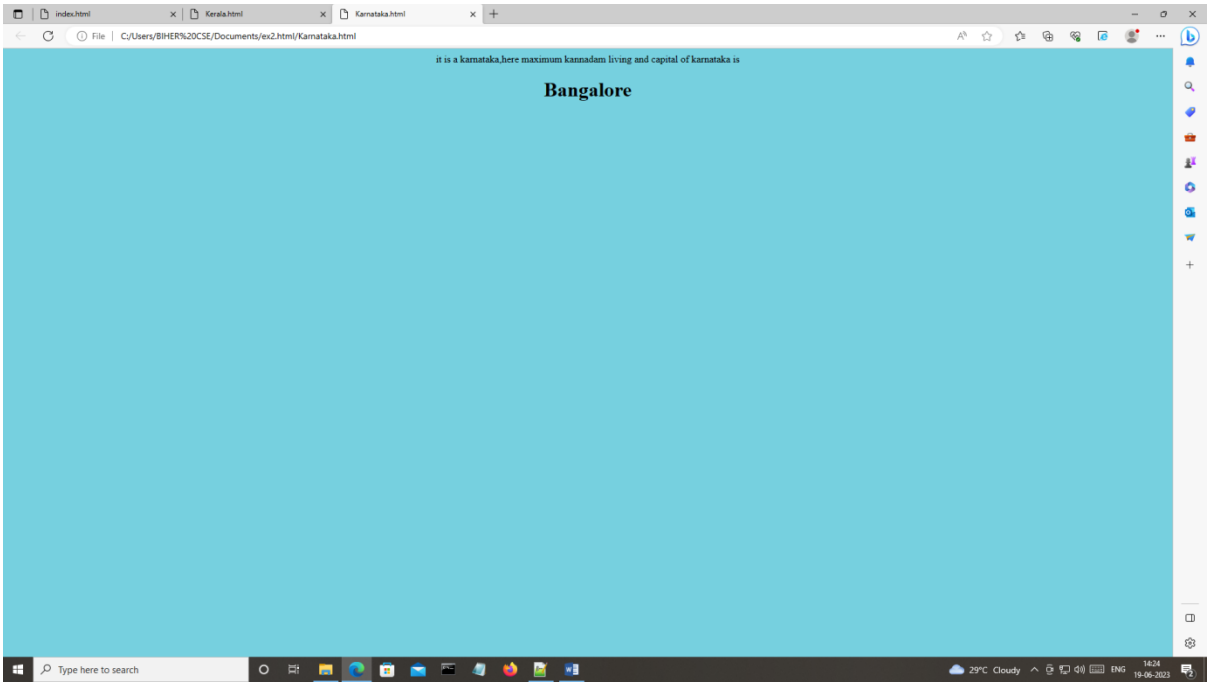
```
<html>
<head>
<body bgcolor="blue"/>
<center>
<h2>it is a orissa,here maximum oreya living and capital of orissa is</h2>
<h1>Bhubaneswar</h1>
</center>
</head>
```

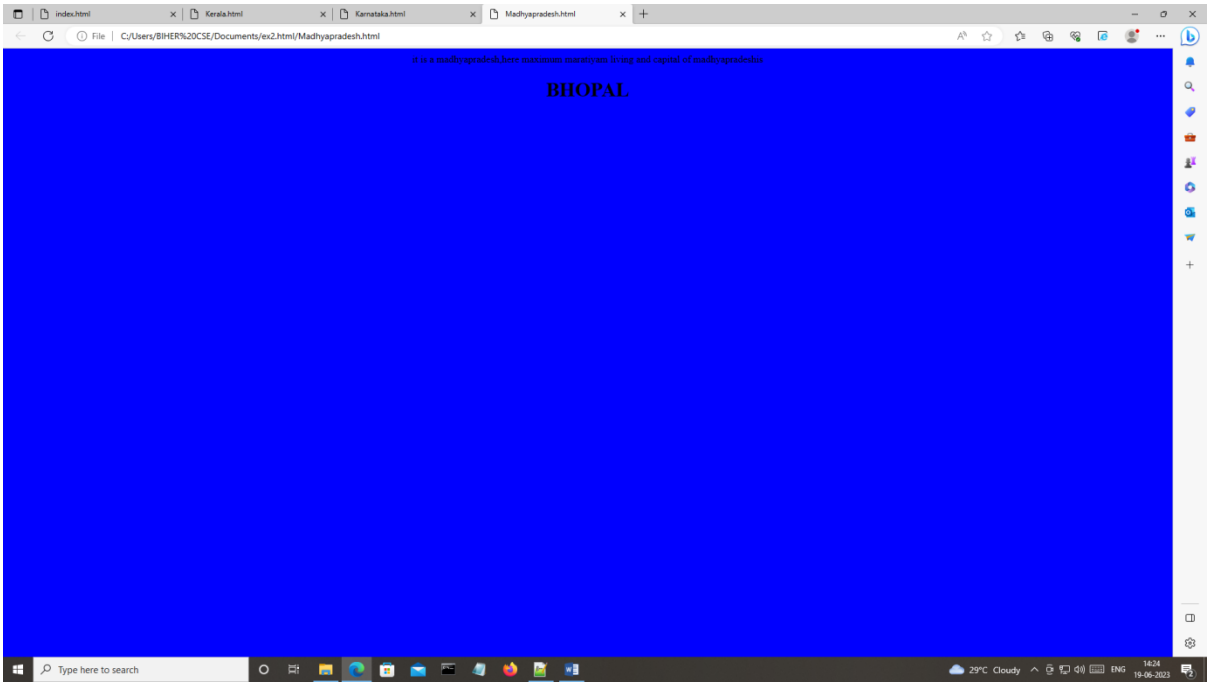
</html>

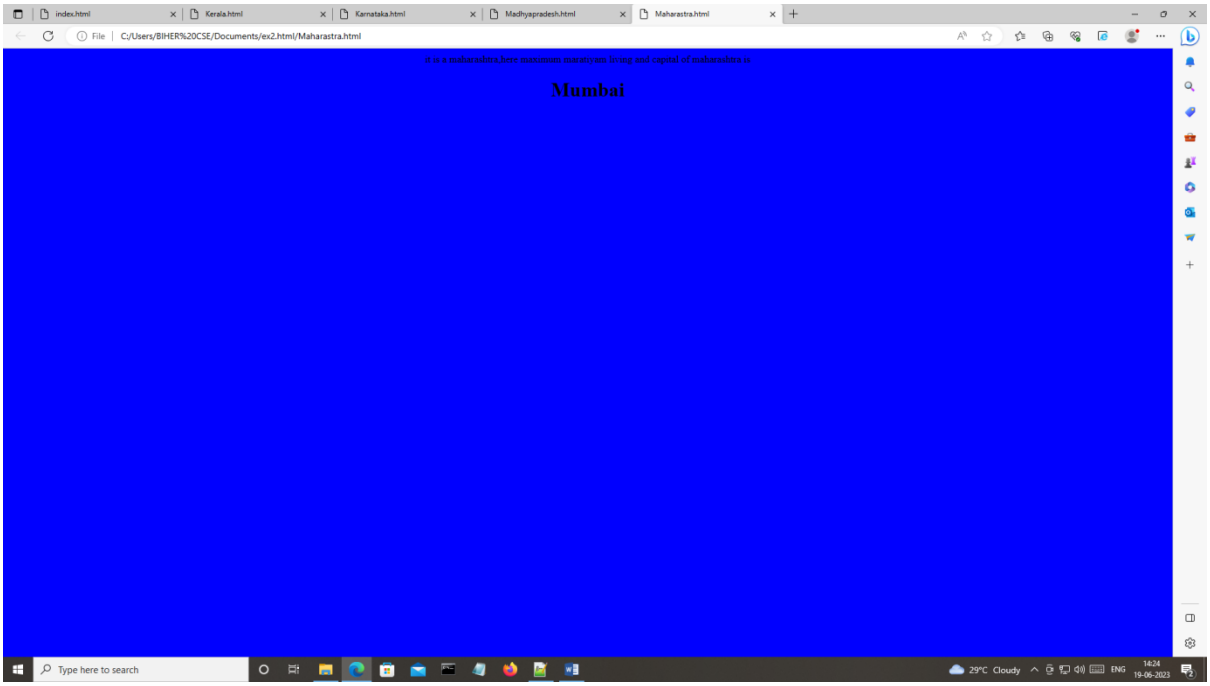
Output:

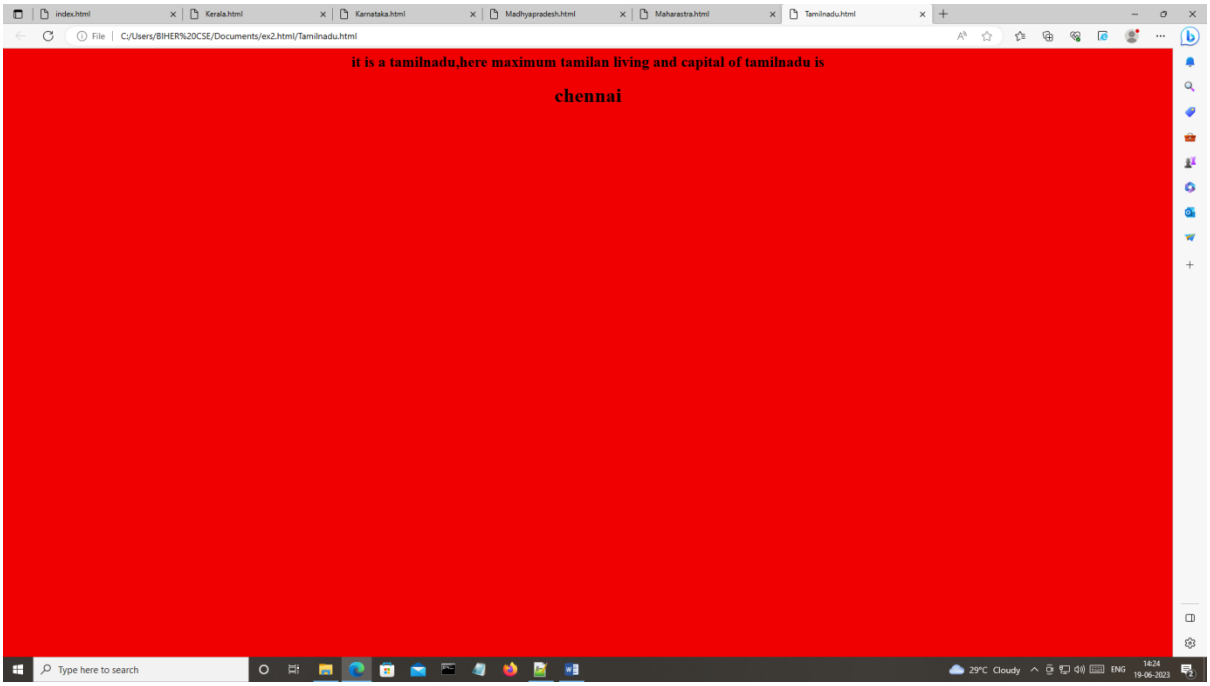

index.html
File | C:/Users/BIHER%20CSE/Documents/ex2.html/index.html
INDIA
States and Union Territories
TAJIKISTAN
AFGHANISTAN
PAKISTAN
CHINA (TIBET)
NEPAL
BHUTAN
BANGLADESH
MYANMAR (BURMA)
SRI LANKA
LADAKH
Srinagar
Leh
JAMMU & KASHMIR
Jammu
HIMACHAL PRADESH
Shimla
PUNJAB
Chandigarh
Dehradun
UTTARAKHAND
HARYANA
DELHI
New Delhi
UTTAR PRADESH
Lucknow
Jaipur
RAJASTHAN
SIKKIM
Gangtok
Itanagar
ARUNACHAL PRADESH
Dispur
ASSAM
NAGALAND
Kohima
Shillong
MEGHALAYA
Imphal
MANIPUR
Aizawl
MIZORAM
TRIPURA
Agartala
BIHAR
Patna
JHARKHAND
Ranchi
WEST BENGAL
Kolkata
Gandhinagar
GUJARAT
Bhopal
MADHYA PRADESH
CHHATTISGARH
Raipur
ODISHA
Bhubaneswar
BAY OF BENGAL
Daman
Silvassa
DAMAN & DIU
DADRA & NAGAR HAVELI
MAHARASHTRA
Mumbai
TELANGANA
Hyderabad
Amaravati
Yanam (Puducherry)
ARABIAN SEA
Panaji
GOA
ANDHRA PRADESH
KARNATAKA
Bengaluru
Chennai
Mahe (Puducherry)
PUDUCHERRY
ANDAMAN & NICOBAR
Port Blair
Type here to search
29°C Cloudy
ENG
14:21
19-06-2023


index.html
Kerala.html
File | C:/Users/BIHER%20CSE/Documents/ex2.html/Kerala.html
it is a kerala,here maximum malaiyalees living and capital of kerala is
Thiruvananthapuram
Type here to search
29°C Cloudy
ENG
14:23
19-06-2023


index.html
Kerala.html
Karnataka.html
File | C:/Users/BIHER%20CSE/Documents/ex2.html/Karnataka.html
it is a karnataka,here maximum kannadam living and capital of karnataka is
Bangalore
Type here to search
29°C Cloudy
ENG
14:24
19-06-2023


index.html
Kerala.html
Karnataka.html
Madhyapradesh.html
File | C:/Users/BIHER%20CSE/Documents/ex2.html/Madhyapradesh.html
it is a madhyapradesh,here maximum marathyam living and capital of madhyapradesh is
BHOPAL
Type here to search
29°C Cloudy
ENG
14:24
19-06-2023





Result:

Thus the Webpage has been created by using HTML language and verified Successfully.

Ex.No:2
Date:

Create a Web Page Using HTML with CSS

Aim:

To write a webpage to create all types of cascading style sheets .

Algorithm:

1. Start the program.
2. Create a web page with framesets consisting two frames.
3. In the first frame include the links.
4. In the second frameset display the webpage of the link.
5. Create an external style sheets.
6. Create an inline and internal style and make a link to the external style sheet.
7. Stop the program.

Implementation:

Main.html

```
<html>
<head>
<title>Cascading Style Sheets</title>
</head>
<body alink="blue" vlink="brown">
<h1><u><b><font face="Monotype corsiva" color="red">
Different types of Cascading Style Sheets</font></b></u></h1>
<br />
<font face="Arial"size="6">
<a href ="inline.html" style="text-decoration :none;"> 1. Inline Style Sheet</a><br />
<a href ="embedded.html" style="text-decoration :none;"> 2. Embeded Style
Sheet</a><br />
<a href ="external.html" style="text-decoration :none;"> 3. External Style
Sheet</a><br />
<a href ="import.html" style="text-decoration :none;"> 4. Imported Style
Sheet</a><br /></font>
</body>
</html>
```

Inline.html

```
<html>
<head>
<title>Inline Style Sheet</title>
</head>
<body>
<ol class="decimal">
<h1 style="font-family :Monotype Corsiva ;background-color:antiquewhite ;"><li>
Inline Style Sheet</li></h1>
<h3>
<p style="text-indent :30pt;color:blue;font-family :arial;">
```

Inine Style is the style attached to one specific element.
The style is specified directly in the start tag as a value of the style attribute well apply exclusively to this specific element occurrence.
</p></h3>

</body>
</html>

Embedded.html

```
<html>
<head>
<title>Embeded Style Sheet</title>
<style type="text/css">
ol{list-style-type:decimal}
h1{text-align: left; background:antiquewhite;font-family:monotype corsiva;color:red}
h3{text-align: right; font-family:arial;color:blue}
</style>
</head>
<body>
<ol class="lroman"><h1>
<li>Embedded style sheet</li></h1>
<br />
Embedded style is the style attached to one specific document.
The information is specified as a content of the style element
inside the head element and wil apply to the entire documents.
</h3></ol>
</body>
</html>
```

External.html

```
<html>
<head>
<title>External Style Sheet</title>
<link rel=Stylesheet href="style1.css" type="text/css" />
</head>
<body>
<h1>1. External Style Sheet</h1><br />
<h3>
An external style sheet is a template documents/files
containing style info which can be linked with any number
of the documents. This is a very convenient way of formating
the entire site as well as restyling it by editing just one file</h3>
</body>
</html>
```

Import.html

```
<html>
<head><title>Imported Style Sheet</title>
<link rel= stylesheet href="style2.css" type="text/css">
</head>
```

```
<body>
<h1>1. Imported Style Sheet</h1>
<h3> Imported style sheet is a shet that can be imported to another sheet.
This alignes exacting one main sheet containing declarations that apply to
the whle site and partial sheets containing declarations that apply to specific
elements.</h3>
</body>
</html>
```

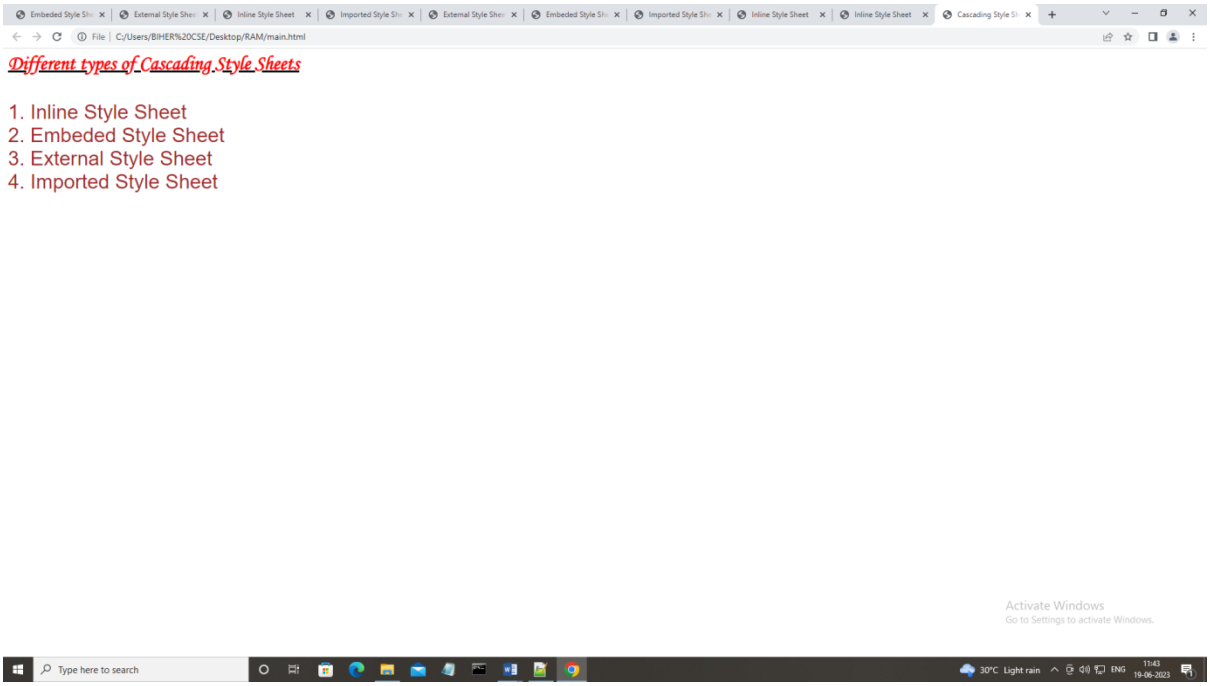
Style1.css

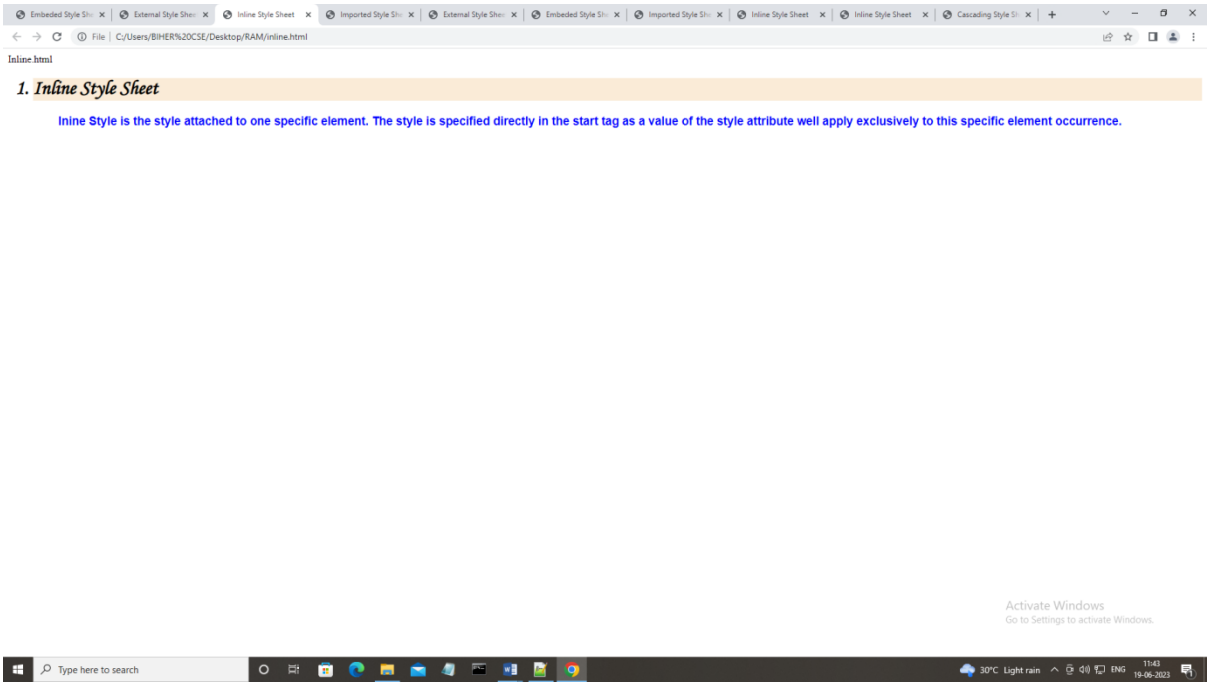
```
ol{list-style-type:decimal}
h1{text-align: left; background:antiquewhite;font-family:monotype corsiva;color:red}
h3{text-align: right; font-family:arial;color:blue}
```

Style2.css

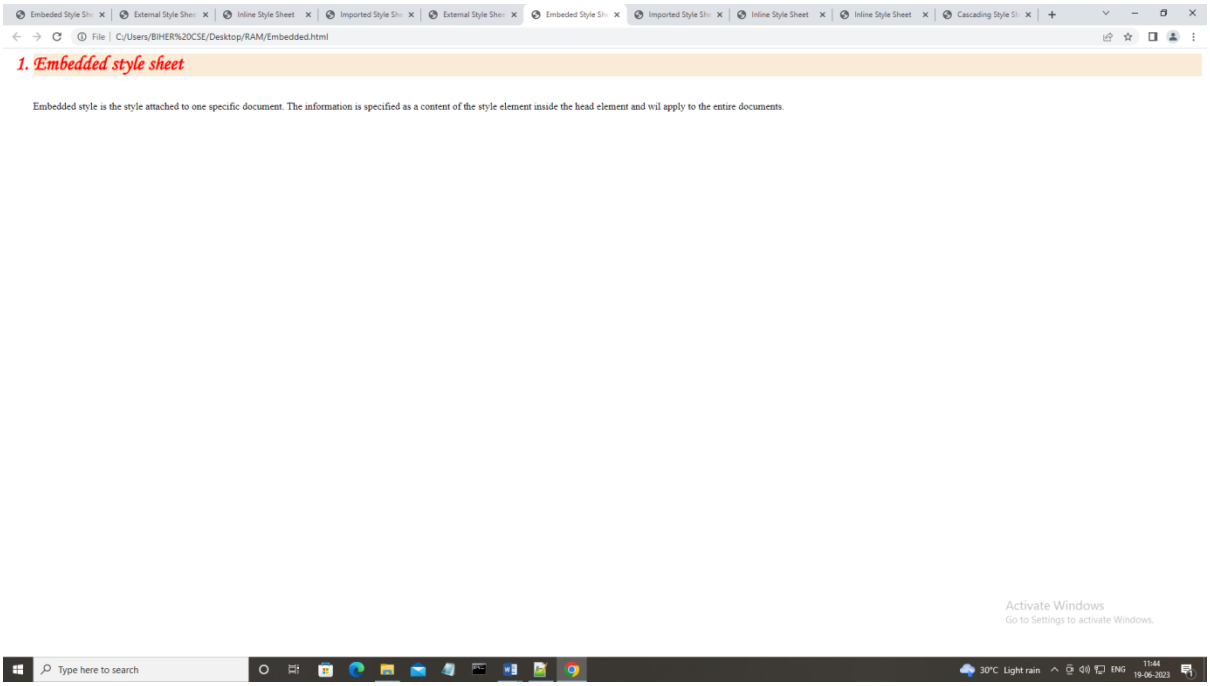
```
ol{list-style-type:decimal}
h1{text-align: left; background:antiquewhite;font-family:monotype corsiva;color:red}
h3{text-align: right; font-family:times;color:blue}
```

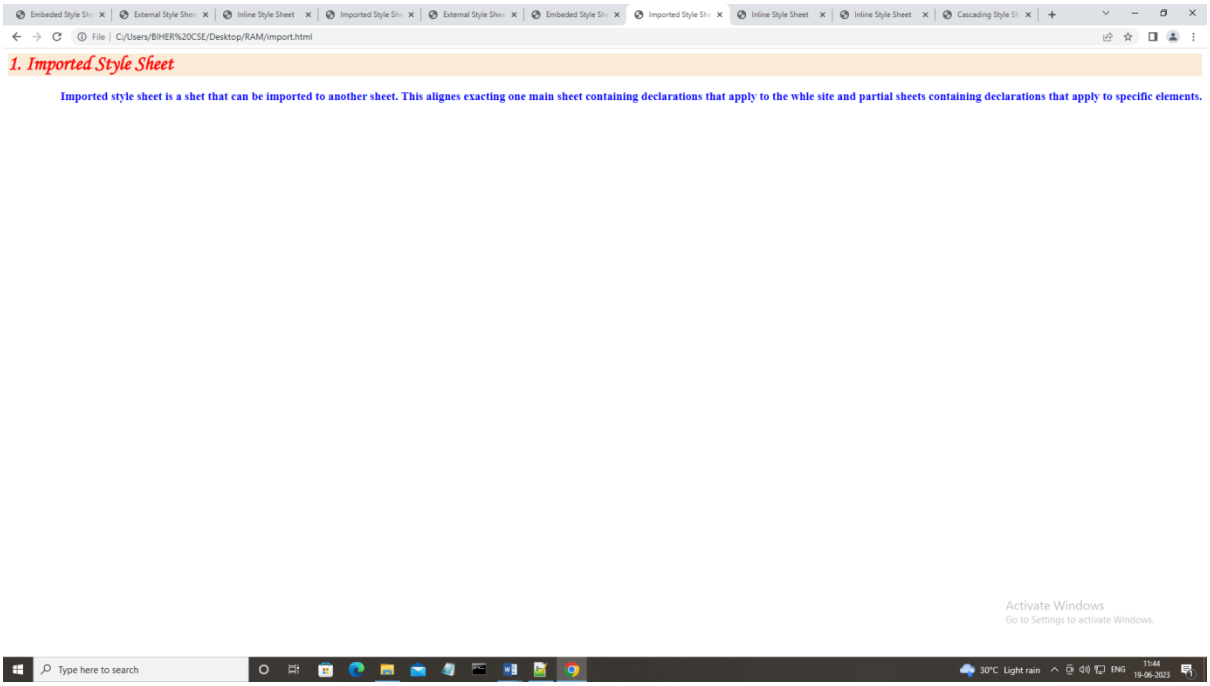
Output:




Inline Style Sheet
File | C:/Users/BIHER%20CSE/Desktop/RAM/inline.html
Inline.html
1. Inline Style Sheet
Inine Style is the style attached to one specific element. The style is specified directly in the start tag as a value of the style attribute well apply exclusively to this specific element occurrence.
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C Light rain
ENG
11:43
19-06-2023


External Style Sheet
File | C:/Users/BIHER%20CSE/Desktop/RAM/external.html
1. External Style Sheet
An external style sheet is a template documents/files containing style info which can be linked with any number of the documents. This is a very convenient way of formating the entire site as well as restyling it by editing just one file
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C Light rain
ENG
11:44
19-06-2023





Result:

Thus the web page is created using all styles of cascading style sheets successfully and the output is also verified.

Ex.No:3
Date:

Create a User Information Using XML Document

Aim:

To Create and save an XML document at the server, which contains 10 users Information.

Algorithm:

1. start the program
2. create a root tag student.
3. create a parent tag person details
4. Get the details of ten students such as id, name, city, Branch, year
5. save the file
6. Run the XML document
7. Stop the program.

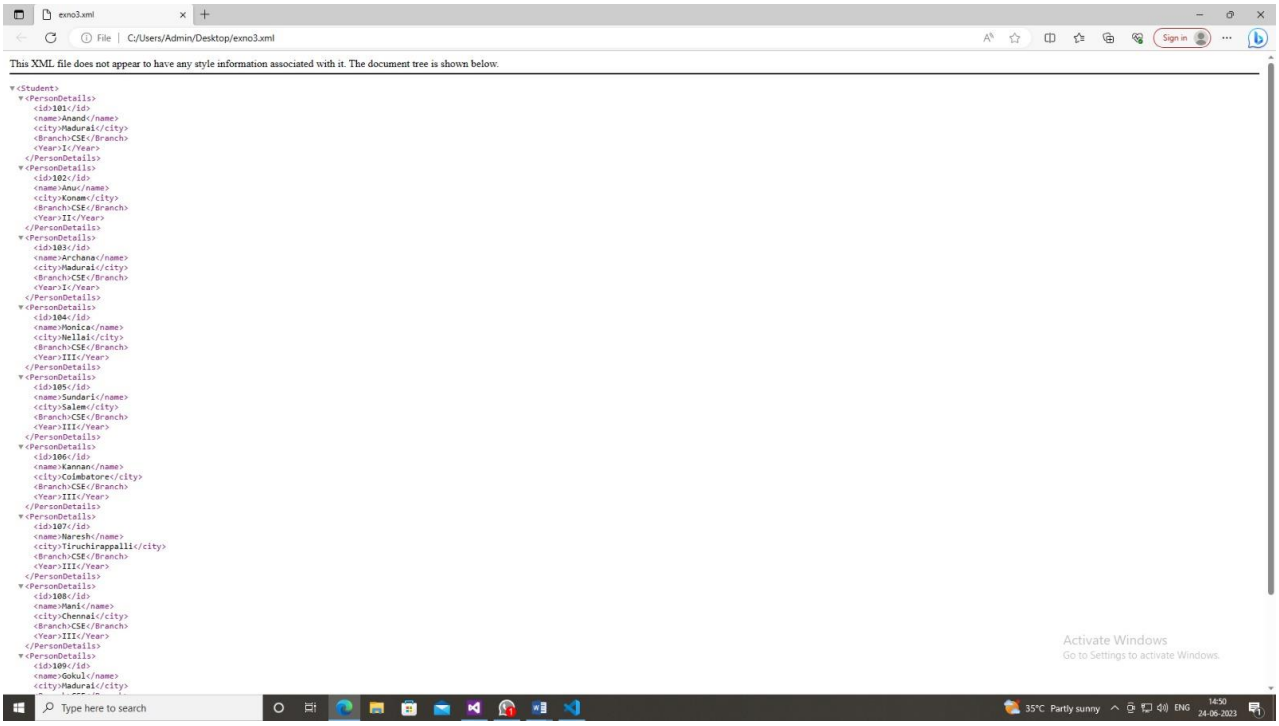
Implementation:

Student.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<Student>
<PersonDetails>
<id>101</id>
<name>Anand</name>
<city>Madurai</city>
<Branch>CSE</Branch>
<Year>I</Year>
</PersonDetails>
<PersonDetails>
<id>102</id>
<name>Anu</name>
<city>Konam</city>
<Branch>CSE</Branch>
<Year>II</Year>
</PersonDetails>
<PersonDetails>
<id>103</id>
<name>Archana</name>
<city>Madurai</city>
<Branch>CSE</Branch>
<Year>I</Year>
</PersonDetails>
<PersonDetails>
<id>104</id>
<name>Monica</name>
<city>Nellai</city>
<Branch>CSE</Branch>
<Year>III</Year>
</PersonDetails>
<PersonDetails>
<id>105</id>
```

<name>Sundari</name>
<city>Salem</city>
<Branch>CSE</Branch>
<Year>III</Year>
</PersonDetails>
<PersonDetails>
<id>106</id>
<name>Kannan</name>
<city>Coimbatore</city>
<Branch>CSE</Branch>
<Year>III</Year>
</PersonDetails>
<PersonDetails>
<id>107</id>
<name>Naresh</name>
<city>Tiruchirappalli</city>
<Branch>CSE</Branch>
<Year>III</Year>
</PersonDetails>
<PersonDetails>
<id>108</id>
<name>Mani</name>
<city>Chennai</city>
<Branch>CSE</Branch>
<Year>III</Year>
</PersonDetails>
<PersonDetails>
<id>109</id>
<name>Gokul</name>
<city>Madurai</city>
<Branch>CSE</Branch>
<Year>III</Year>
</PersonDetails>
<PersonDetails>
<id>110</id>
<name>Joel</name>
<city>Chennai</city>
<Branch>CSE</Branch>
<Year>III</Year>
</PersonDetails>
</Student>

Output:



Result :

Thus the XML document has been created at the server side which contains 10 users information.

Ex.No:4
Date: **Create a web page to fetch a student details from XML Document**

Aim :

To create a Program, which takes user Id as an input and returns the User details by taking the user information from the XML document.

Algorithm:

1. Create a XML document.
2. Get user id through the input tag.
3. Validate User Id on submit with JavaScript.
4. If User id Exits it displays details of student or alert to “enter Valid details”.
5. Save the file and run the program.
6. Stop the program.

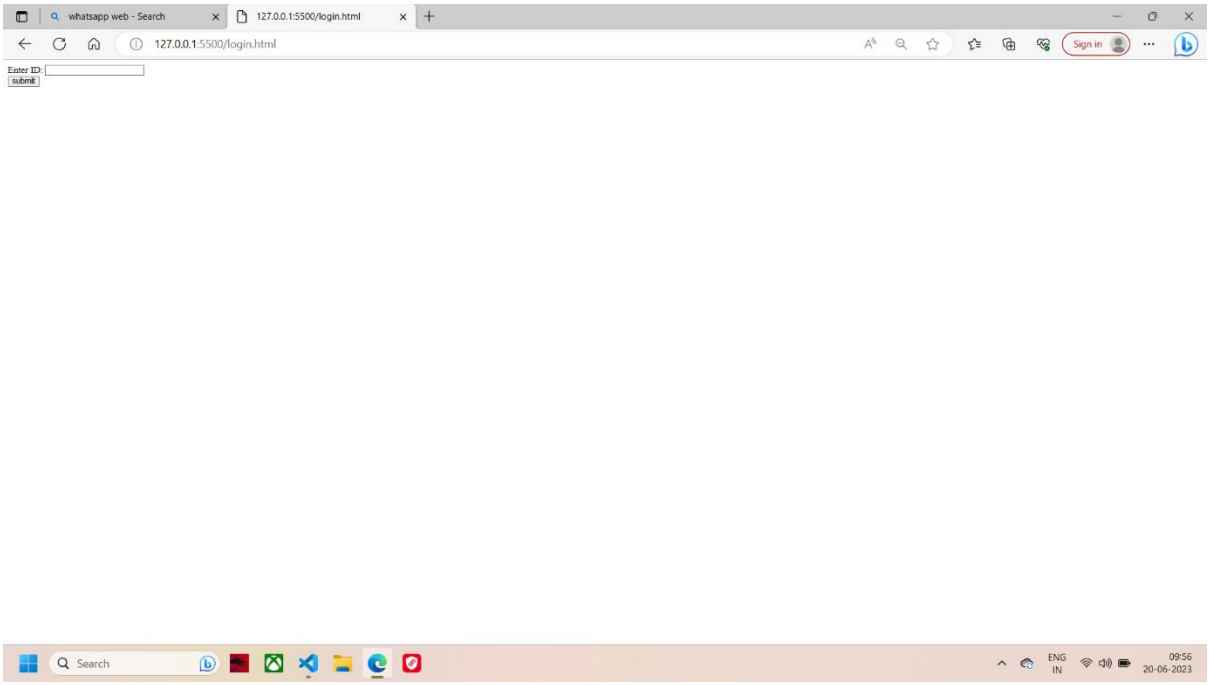
Implementation:

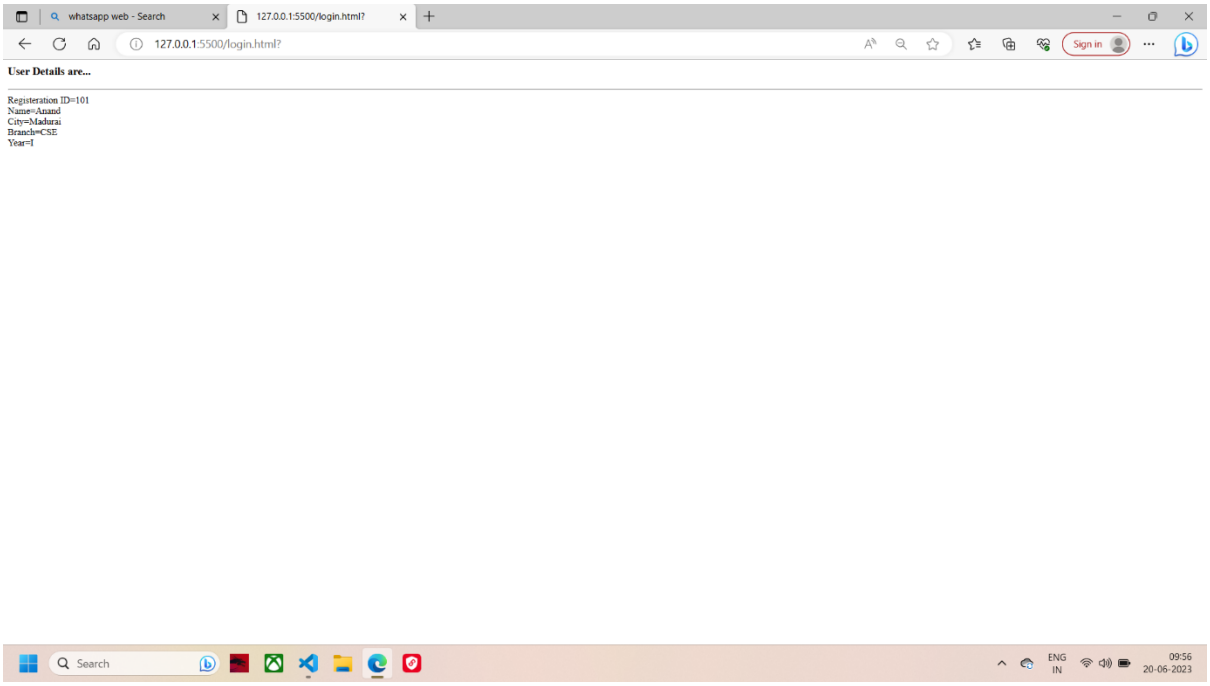
Login.html

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<script type="text/javascript">
      function Display()
      {
         if (window.XMLHttpRequest)
         {
            xmlhttp = new XMLHttpRequest();
         }
         xmlhttp.open("GET", "StudentDetails.xml", false);
         xmlhttp.send();
         xmlDoc = xmlhttp.responseXML;
         var x = xmlDoc.getElementsByTagName("PersonDetails");
         var key_id = document.getElementById("key").value;
         for (i = 0; i < x.length; i++)
         {
            if (key_id.match(x[i].getElementsByTagName("id")[0].childNodes[0].nodeValue))
               j = i;
         }
         document.write("<h3>User Details are...</h3><hr> Registeration ID=");
         document.write(x[j].getElementsByTagName("id")[0].childNodes[0].nodeValue);
         document.write("</br> Name=");
document.write(x[j].getElementsByTagName("name")[0].childNodes[0].nodeValue);
         document.write("</br> City=");
         document.write(x[j].getElementsByTagName("city")[0].childNodes[0].nodeValue);
```

```
        document.write("</br> Branch=");
        document.write(x[j].getElementsByTagName("Branch")[0].childNodes[0].nodeValue);
        document.write("</br> Year=");
        document.write(x[j].getElementsByTagName("Year")[0].childNodes[0].nodeValue);
        document.write("</br> ");
    }
</script>
<form name='myform'>
    Enter ID:
<input type='text' id='key' /><br />
<input type='button' value='submit' onclick='Display()' />
</form>
</body>
</html>
```

Output:





Result:

Thus the program has been executed which takes user Id as an input and returns the User details by taking the user information from the XML document.

Ex.No:5 **To Validate the credit card Pages using Java Script**

Date:

Aim:

Create a webpage to validate the Registration, user login, user profile and payment by credit card pages using JavaScript.

Algorithm:

1. Start the Program.
2. Create JavaScript functions (one for each input field whose value is to validate) which check whether a value submitted by user passes the validation.
3. All those functions are called from another function.
4. It sets the focus to the input field until the user supplies a valid value.
5. When the user does so, they may proceed and can supply value to the next available field.
6. The later JavaScript function created is called on the on submit event of the form
7. Stop the program**.**

Implementation:

Main.html

```
<html>
<frameset rows="25%,*">
<frame src="top.html" name="top" scrolling ="no" frameborder ="0">
<frameset cols="25%,75%">
<frame src="left.html" name="left" scrolling ="no" frameborder ="0">
<frame src="right.html" name="right" scrolling ="auto" frameborder ="0">
</frameset>
</frameset>
</html>
```

top.html

```
<html>
<body bgcolor="pink">
<br><br>
<marquee><h1 align=”center”><b><u>ONLINE BOOK STORAGE</u></b></h1></marquee>
</body>
</html>
```

Left.html

```
<html>
<body bgcolor="pink">
<h3>
<ul>
<li><a href="login.html" target="right"><font color="black"> LOGIN</font></a></li><br><br>
<li><a href="regform.html" target="right"><font color="black"> USER
PROFILE</font></a></li><br><br>
<li><a href="books.html" target="right"><font color="black"> BOOKS
CATALOG</font></a></li><br><br>
<li><a href="shop.html" target="right"><font color="black">
SHOPPINGCART</font></a></li><br><br>
```

```
<li><a href="pay.html" target="right"><font color="black"> PAYMENT</font></a></li><br><br>
<br><br>
</ul>
</body>
</html>
```

right.html

```
<html>
<body>
<br><br><br><br><br>
<h2 align="center">
<b><p> welcome to online book storage. Press login if you are having id otherwise press
registration.
</p></b></h2>
</body></html>
```

login.html

```
html>
<body>
<script>
function validateform(){
var name=document.myform.name.value;
var password=document.myform.password.value;
if (name==null || name==""){
  alert("Name can't be blank");
  return false;
}else if(password.length<6){
  alert("Password must be at least 6 characters long.");
  return false;
  }
}
</script>
<body>
<form name="myform" method="post"
action="http://www.javatpoint.com/javascriptpages/valid.jsp" onsubmit="return validateform()" >
Name: <input type="text" name="name"><br/>
Password: <input type="password" name="password"><br/>
<input type="submit" value="register">
</form>
</body>
</html>
```

regform.html

```
<html>
<head>
<title>
Example of required attribute with input element
```

```
</title>
<style>
div
{
padding: 10px 0;
}
</style>
<head>
<body>
<form>
<div>
<label>Name</label>
<input type="text" placeholder="Enter Name" name="name" required>
</div>
<div>
<label> E-mail </label>
<input type="email" placeholder="Enter email ID" name="email" required>
</div>
<div>
 <label> Mobile No. </label>
<input type="text" placeholder="Enter Your Mobile No." name="mobileno" required>
</div>
  <div>
<label>Password</label>
<input type="password" placeholder="Enter Password" name="psw" required>
<br>
  </div>
<button type="submit" VALUE="SUBMIT"> SUBMIT </button>
</form>
</body>
</html>
```

books.html

```
<!DOCTYPE html>
<html>
<style>
    table,
    th,
    td {
        border: 1px solid black;
        border-collapse: collapse;
    }
   th,
    td {
        padding: 5px;
    }
</style>
<body>
```

```
   <button type="button" onclick="loadXMLDoc()">Get my BOOK collection</button>
   <br><br>
   <table id="demo"></table>
<script>
      function loadXMLDoc() {
         var xmlhttp = new XMLHttpRequest();
         xmlhttp.onreadystatechange = function () {
            if (this.readyState == 4 && this.status == 200) {
               myFunction(this);
            }
         };
         xmlhttp.open("GET", "book_catalog.xml", true);
         xmlhttp.send();
      }
      function myFunction(xml) {
         var i;
         var xmlDoc = xml.responseXML;
         var table = "<tr><th>AUTHOR</th><th>TITLE</th></tr></tr>";
         var x = xmlDoc.getElementsByTagName("CD");

         for (i = 0; i < x.length; i++) {
            table += "<tr><td>" +
               x[i].getElementsByTagName("AUTHOR")[0].childNodes[0].nodeValue +
               "</td><td>" +
               x[i].getElementsByTagName("TITLE")[0].childNodes[0].nodeValue +
               "</td></tr>";

         }
         document.getElementById("demo").innerHTML = table;
      }
   </script>
</body>
</html>
```

Book_catalog.xml

```
<CATALOG>
<CD>
<TITLE>The Complete Reference  JAVA</TITLE>
<AUTHOR>Herbert Schildt</AUTHOR>
<PRICE>10.90</PRICE>
</CD>
<CD>
<TITLE>Algorithms to Live By</TITLE>
<AUTHOR>Brian Christian</AUTHOR>
<PRICE>9.90</PRICE>
</CD>
<CD>
<TITLE>Structure and Interpretation of Computer Programs</TITLE>
<AUTHOR>Gerald Jay Sussman</AUTHOR>
```

```
<PRICE>9.90</PRICE>
</CD>
<CD>
<TITLE>Clean Code: A Handbook of Agile Software</TITLE>
<AUTHOR>Robert C. Martin</AUTHOR>
<PRICE>10.20</PRICE>
</CD>
<CD>
<TITLE>Code Complete: A Practical Handbook of Software Construction</TITLE>
<AUTHOR>Thomas. H. Cormen</AUTHOR>
<PRICE>9.90</PRICE>
</CD>
<CD>
<TITLE>Introduction to Algorithm</TITLE>
<AUTHOR>Bee Gees</AUTHOR>
<PRICE>10.90</PRICE>
</CD>
<CD>
<TITLE>The C Programming Language</TITLE>
<AUTHOR>Brian W. Kernighan</AUTHOR>
<PRICE>8.10</PRICE>
</CD>
<CD>
<TITLE>The Soul of a New Machine </TITLE>
<AUTHOR>Tracy Kidder</AUTHOR>
<PRICE>8.50</PRICE>
</CD>
<CD>
<TITLE>Design Patterns: Elements of Reusable objects Or iented Software </TITLE>
<AUTHOR>Erich Gamma, John Vlissides, Richard Helm</AUTHOR>
<PRICE>10.80</PRICE>
</CD>
<CD>
<TITLE>The Computer Networking: A Top-Down Approach</TITLE>
<AUTHOR>James F. Kurose and Keith W. Ross</AUTHOR>
<PRICE>8.70</PRICE>
</CD>
<CD>
<TITLE>The Artificial Intelligence: A Modern Approach</TITLE>
<AUTHOR>Stuart Russell</AUTHOR>
<PRICE>10.90</PRICE>
</CD>
</CATALOG>
```

Shop.html

```
<h1>Shopping Cart</h1>
</script>
<div class="shopping-cart">
<div class="column-labels">
   <label class="product-image">Image</label>
```

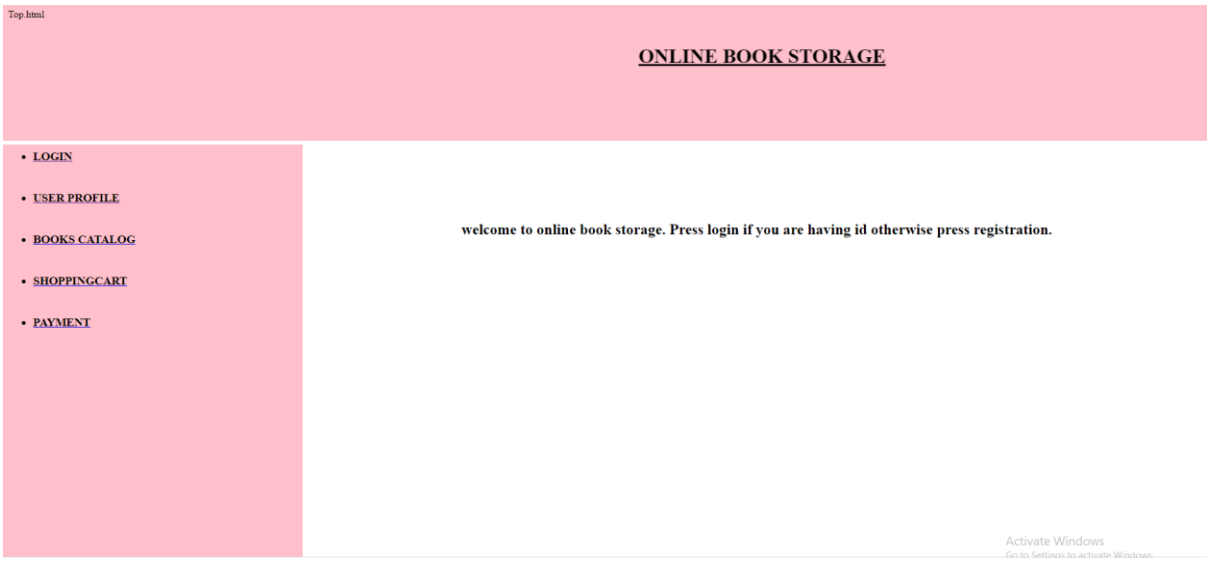
```
    <label class="product-details">Product</label>
    <label class="product-price">Price</label>
    <label class="product-quantity">Quantity</label>
    <label class="product-removal">Remove</label>
    <label class="product-line-price">Total</label>
  </div>
<div class="product">
    <div class="product-image">
       <img src="/images.jpg" alt="Cloud computing" width="240" height="300">
    </div>
    <div class="product-details">
      <div class="product-title">Cloud Computing</div>
      <p class="product-description">The best book for Cloud Computing</p>
    </div>
    <div class="product-price">BOOK PRICE 181.99</div>
    <div class="product-quantity">
      <input type="number" value="2" min="1">
    </div>
       <div class="product-line-price">MRP 225.98</div>
  </div>
 <div class="product">
    <div class="product-image">
       <img src="/image.jpg" alt="Cloud computing" width="240" height="300">
    </div>
    <div class="product-details">
      <div class="product-title">C Programmingd</div>
      <p class="product-description">Book for C programming.</p>
    </div>
    <div class="product-price">BOOK PRICE245.99</div>
    <div class="product-quantity">
      <input type="number" value="1" min="1">
    </div>
   <div class="product-line-price">MRP 265.99</div>
  </div>
  <div class="product-add">
    <button onclick="myFunction()">Add to Cart</button>
 <script>
       function myFunction() {
         alert("Items added to cart");
       }
       </script>
 </div>
```

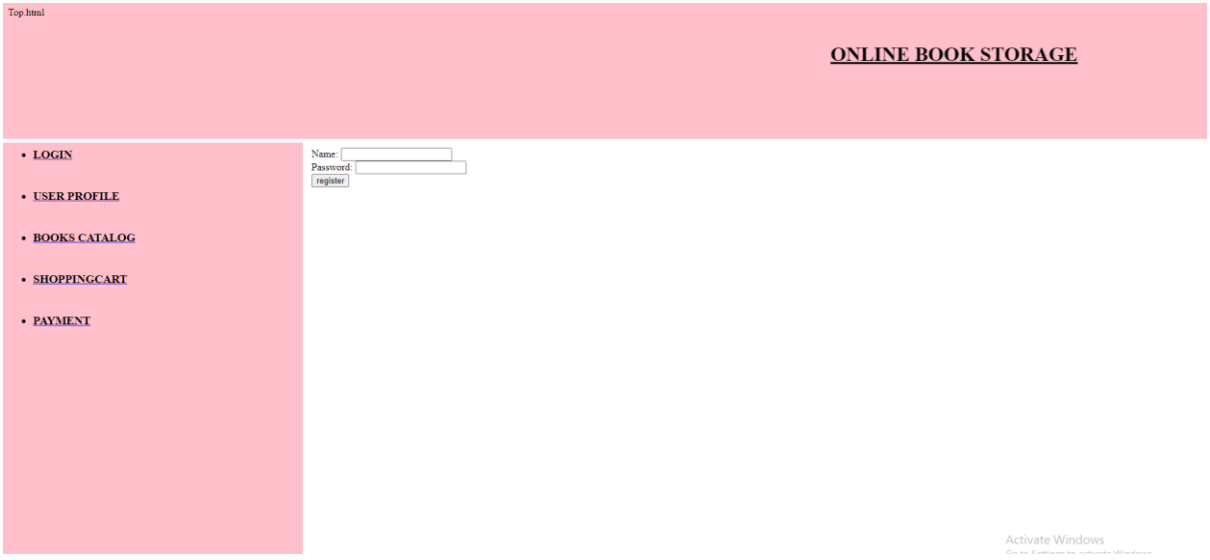
Pay.html

```
<h1>Shopping Cart</h1>
</script>
<div class="shopping-cart">
  <div class="column-labels">
    <label class="product-image">Image</label>
    <label class="product-details">Product</label>
```

```
  <label class="product-price">Price</label>
  <label class="product-quantity">Quantity</label>
  <label class="product-removal">Remove</label>
  <label class="product-line-price">Total</label>
 </div>
<div class="product">
  <div class="product-image">
     <img src="/images.jpg" alt="Cloud computing" width="240" height="300">
  </div>
  <div class="product-details">
   <div class="product-title">Cloud Computing</div>
   <p class="product-description">The best book for Cloud Computing</p>
  </div>
  <div class="product-price">BOOK PRICE 181.99</div>
  <div class="product-quantity">
   <input type="number" value="2" min="1">
  </div>
     <div class="product-line-price">MRP 225.98</div>
 </div>
 <div class="product">
  <div class="product-image">
     <img src="/image.jpg" alt="Cloud computing" width="240" height="300">
  </div>
  <div class="product-details">
   <div class="product-title">C Programmingd</div>
   <p class="product-description">Book for C programming.</p>
  </div>
  <div class="product-price">BOOK PRICE245.99</div>
  <div class="product-quantity">
   <input type="number" value="1" min="1">
  </div>
  <div class="product-line-price">MRP 265.99</div>
 </div>
 <div class="product-add">
  <button onclick="myFunction()">Add to Cart</button>
<script>
     function myFunction() {
       alert("Items added to cart");
     }
     </script>
</div>
```

Output:


Top.html
ONLINE BOOK STORAGE
LOGIN
USER PROFILE
BOOKS CATALOG
SHOPPINGCART
PAYMENT
welcome to online book storage. Press login if you are having id otherwise press registration.
Activate Windows


Top.html
ONLINE BOOK STORAGE
LOGIN
USER PROFILE
BOOKS CATALOG
SHOPPINGCART
PAYMENT
Name:
Password:
register
Activate Windows

Top.html

ONLINE BOOK STORAGE

- LOGIN
- USER PROFILE
- BOOKS CATALOG
- SHOPPINGCART
- PAYMENT

Name Enter Name

E-mail Enter email ID

Mobile No. Enter Your Mobile No.

Password Enter Password

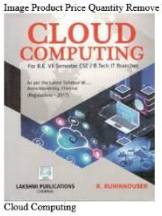
SUBMIT

E

- LOGIN
- USER PROFILE
- BOOKS CATALOG
- SHOPPINGCART
- PAYMENT

Shopping Cart

Image Product Price Quantity Remove Total



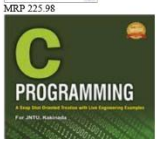
Cloud Computing

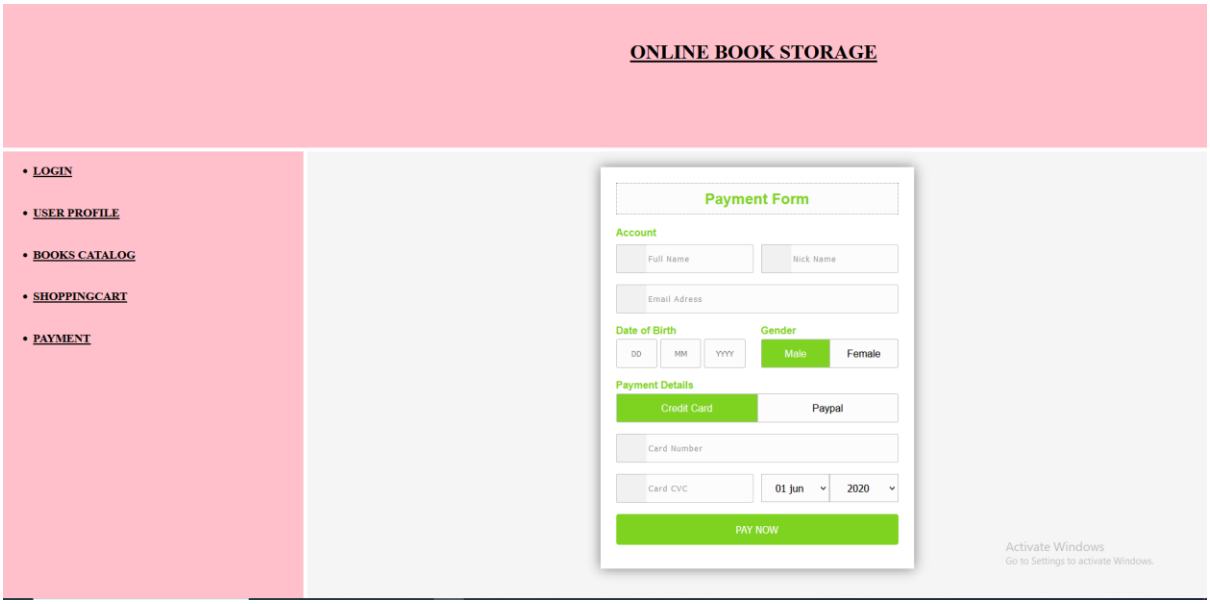
The best book for Cloud Computing

BOOK PRICE 181.99

2

MRP 225.98





Result:

Thus the webpage has been created to validate the Registration, user login, user profile and payment by credit card pages using JavaScript.

Ex.No:6
Date:

To create DHTML Event Handling

Aim :

To Create Dhtml Event Handling Program

- Change Background Color On Mouse Click
- Change The Font Color On Mouse Over
- Change The Text On Mouse Double Click

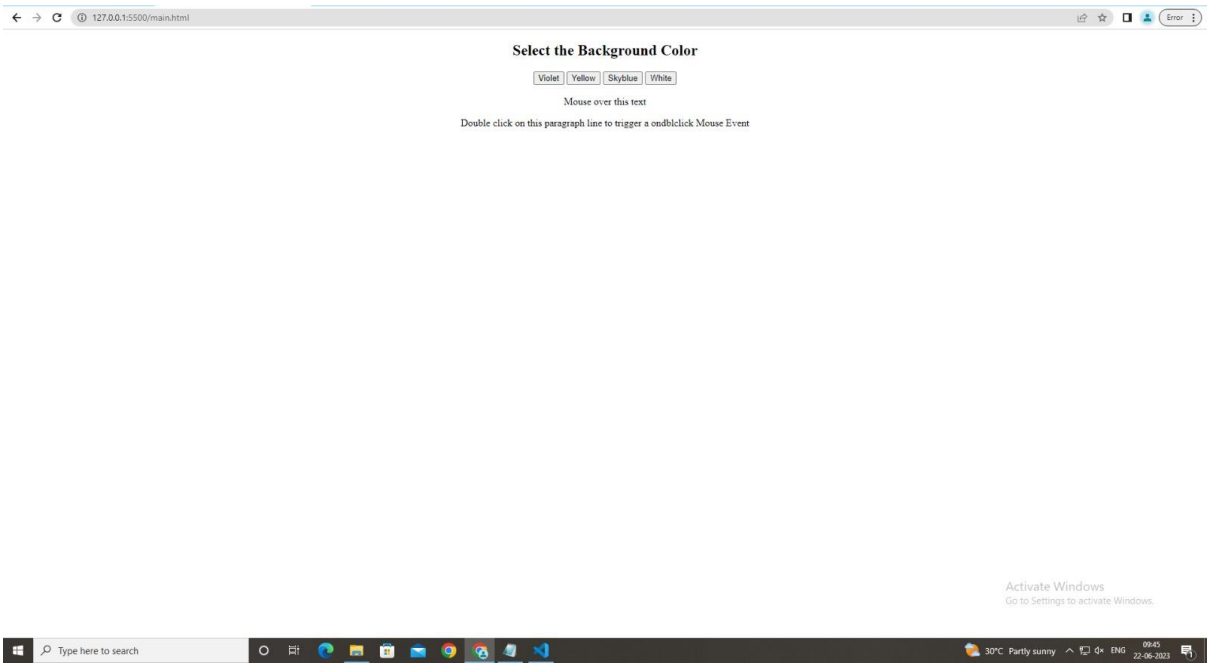
Algorihm:

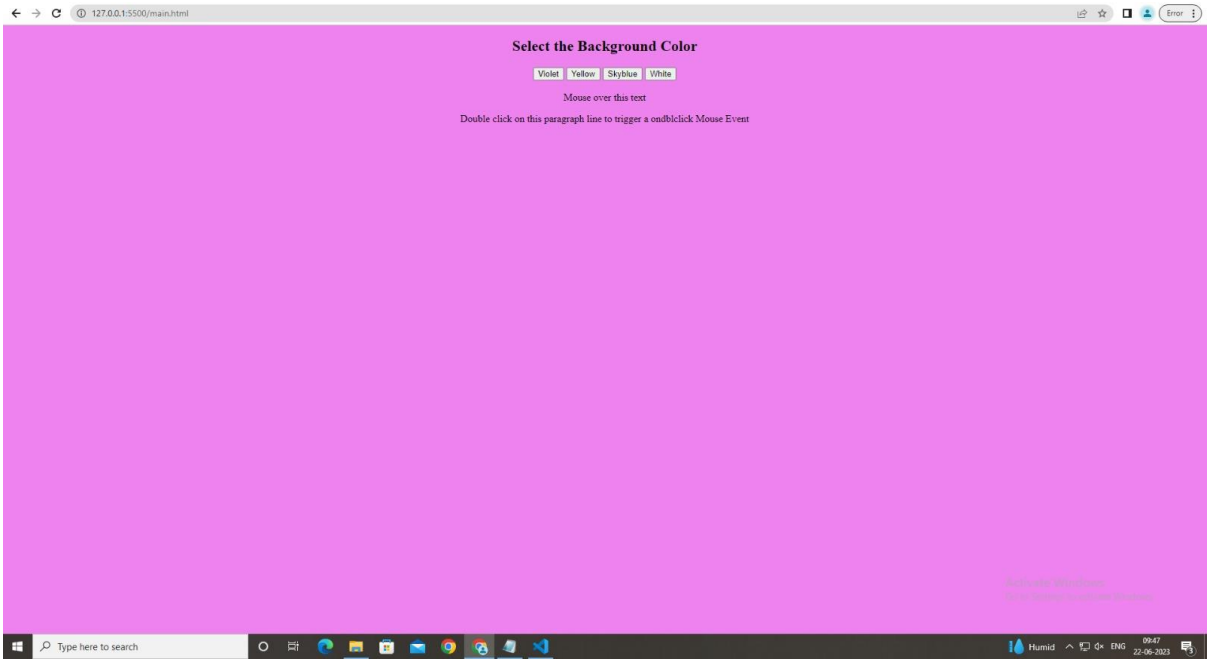
1. Start the Program.
2. Create JavaScript functions to change the background color on button click.
3. Create JavaScript functions to change the font color to red on mouse over.
4. Create JavaScript functions to change the text on mouse on double click.
5. Save the program as .html and execute the same in the browser.
6. Stop the program.

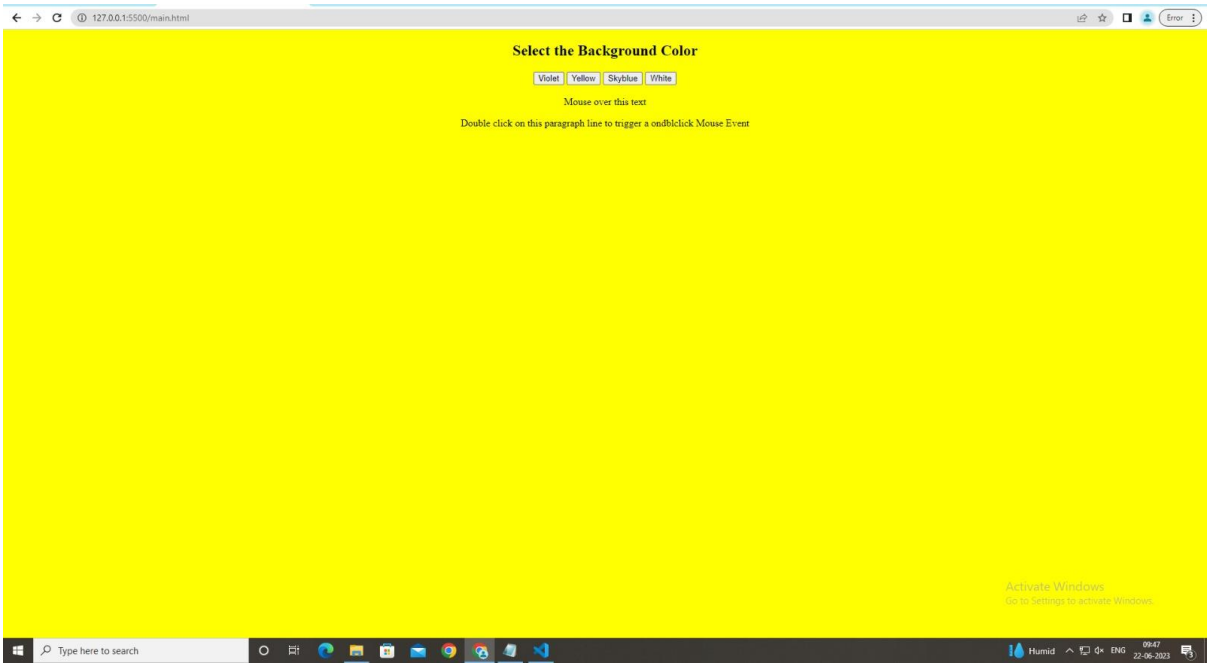
Implementation:

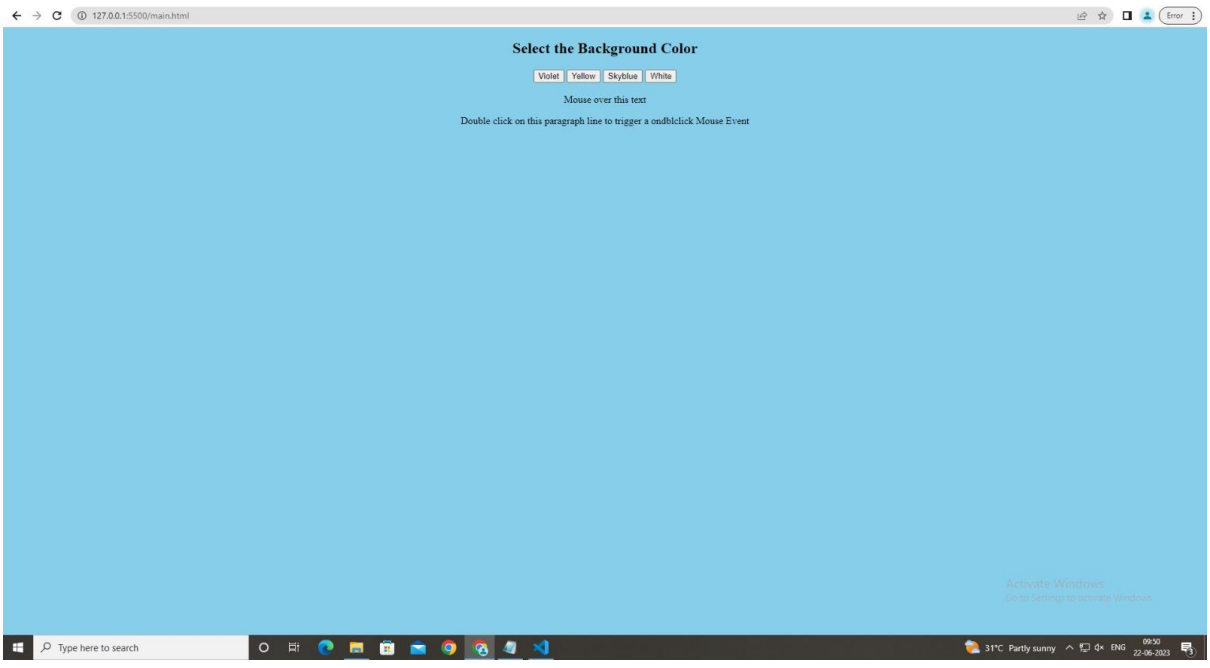
```
<!DOCTYPE html>
<html>
<head>
<title>Mouse Events</title>
<script>
function myFunction() {
document.getElementById("demo").innerHTML = "This is the Output of ondblclick Mouse Event";
document.getElementById("demo").style.color = "red";
document.getElementById("demo").style.fontWeight = 'bold'
}
</script>
</head>
<body>
<center>
<h2>Select the Background Color</h2>
<button onclick="document.body.style.backgroundColor='violet'">Violet</button>
<button onclick="document.body.style.backgroundColor='yellow'">Yellow</button>
<button onclick="document.body.style.backgroundColor='skyblue'">Skyblue</button>
<button onclick="document.body.style.backgroundColor='white'">White</button>
<br><br>
<span onmouseover="style.color='red';style.fontWeight = 'bold'" onmouseout="style.color='black';
    style.fontWeight = 'normal'">Mouse over this text</span>
<p ondblclick="myFunction()">Double click on this paragraph line to trigger a ondblclick Mouse
Event</p>
<p id="demo"></p>
</center>
</body>
</html>
```

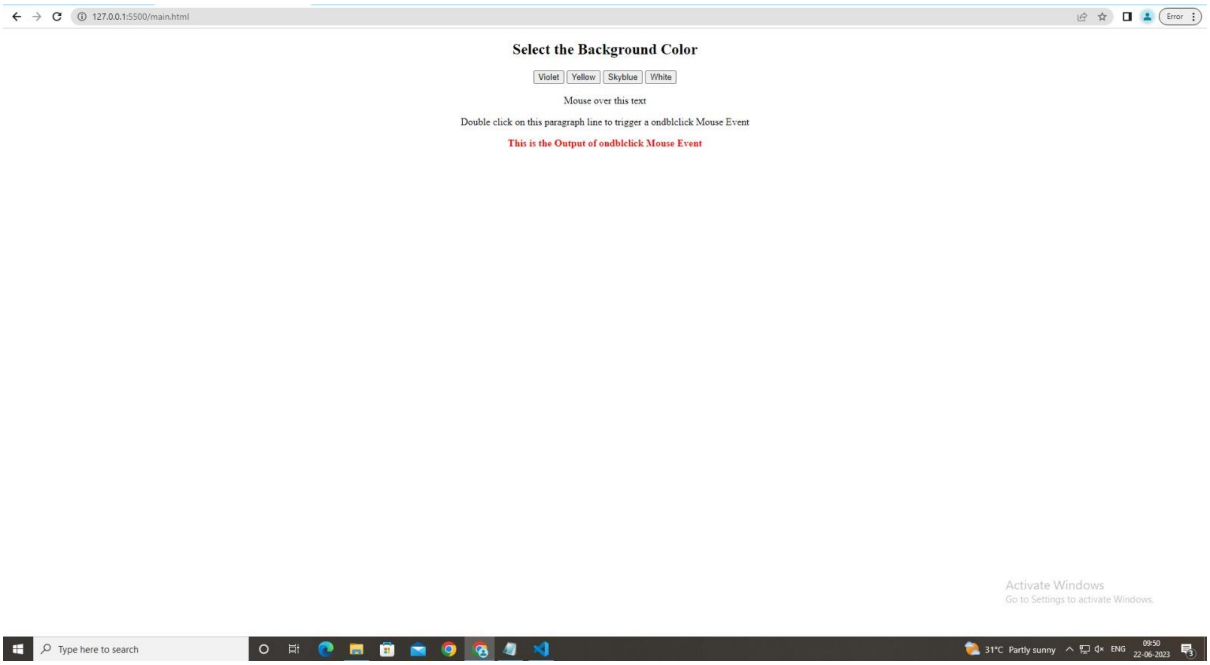
Output:


127.0.0.1:5500/main.html
Error
Select the Background Color
Violet
Yellow
Skyblue
White
Mouse over this text
Double click on this paragraph line to trigger a ondblclick Mouse Event
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C Partly sunny
ENG
09:45
22-06-2023


127.0.0.1:5500/main.html
Error
Select the Background Color
Violet
Yellow
Skyblue
White
Mouse over this text
Double click on this paragraph line to trigger a ondblclick Mouse Event
Type here to search
Humid
ENG
09:47
22-06-2023


127.0.0.1:5500/main.html
Error
Select the Background Color
Violet
Yellow
Skyblue
White
Mouse over this text
Double click on this paragraph line to trigger a ondblclick Mouse Event
Activate Windows
Go to Settings to activate Windows.
Type here to search
Humid
ENG
09:47
22-06-2023


127.0.0.1:5500/main.html
Error
Select the Background Color
Violet
Yellow
Skyblue
White
Mouse over this text
Double click on this paragraph line to trigger a ondblclick Mouse Event
Activate Windows
Go to Settings to activate Windows.
Type here to search
31°C Partly sunny
ENG
09:50
22-06-2023



Result:

Thus the Dhtml Event Handling Program, To Change Background Color On Mouse Click,To Change The Font Color On Mouse Over and To Change The Text On Mouse Double Click has been Created and executed.

Ex.No:7
Date:

To create a Simple Calculator program using PHP

Aim:

To create a Simple Calculator program using PHP.

Algorithm :

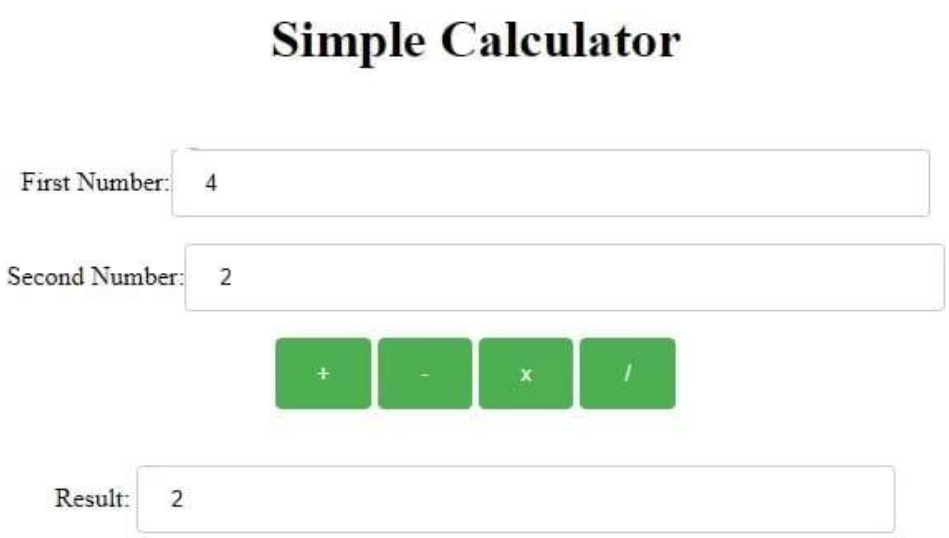
1. start the program.
2. Given the first number & Second number
3. we have given a operator's add, sub ,mul, div
4. Then we have to give the input type & submit button to get the answer
5. when we are clicking the submit button we can get the result
6. stop the program.

Implementation:

```
<!DOCTYPE html>
<head>
        <title>Simple Calculator Program in PHP - Tutorials Class</title>
</head>
<?php
$first_num = $_POST['first_num'];
$second_num = $_POST['second_num'];
$operator = $_POST['operator'];
$result = '';
if (is_numeric($first_num) && is_numeric($second_num)) {
   switch ($operator) {
      case "Add":
        $result = $first_num + $second_num;
         break;
      case "Subtract":
        $result = $first_num - $second_num;
         break;
      case "Multiply":
         $result = $first_num * $second_num;
         break;
      case "Divide":
         $result = $first_num / $second_num;
   }
}

?>

<body>
<div id="page-wrap">
        <h1>PHP - Simple Calculator Program</h1>
        <form action="" method="post" id="quiz-form">
<p>
```

```
<input type="number" name="first_num" id="first_num" required="required" value="<?php echo $first_num; ?>" /><b>First Number</b>
</p>
<p>
<input type="number" name="second_num" id="second_num" required="required" value="<?php echo $second_num; ?>" /><b>Second Number</b>
</p>
<p>
<input readonly="readonly" name="result" value="<?php echo $result; ?>"><b>Result</b>
</p>
<input type="submit" name="operator" value="Add" />
<input type="submit" name="operator" value="Subtract" />
<input type="submit" name="operator" value="Multiply" />
<input type="submit" name="operator" value="Divide" />
        </form>
</div>
</body>
</html>
```

Output :



Result :

Thus the Simple Calculator program using PHP is executed & verified successfully.

Ex.No:8
Date:

To Explore the application using AJAX

Aim:

To Explore the application for Searching in real time with live searches, Getting the answer with auto complete using AJAX.

Algorithm:

1. Start the program.
2. Create an XMLHttpRequest to retrieve data from an TXT file.
3. Create an XMLHttpRequest to retrieve data from an XML file.
4. Both XMLHttpRequest to retrieve data from an TXT , XML file are sending the request to server.
5. TXT, XML File are waiting the request After getting the request it will be started.
6. Stop the program.

Implementation:

a.Create an XMLHttpRequest to retrieve data from an TXT file.

Ajaxtext.html

```
<!DOCTYPE html>
<html>
<body>
<div id="demo">
<h2>The XMLHttpRequest Object</h2>
<button type="button" onclick="loadDoc()">Change Content</button>
</div>
<script>
function loadDoc() {
  const xhttp = new XMLHttpRequest();
  xhttp.onload = function() {
    document.getElementById("demo").innerHTML =
    this.responseText;
  }
  xhttp.open("GET", "ajax_info.txt");
  xhttp.send();
}
</script>
</body>
</html>
```

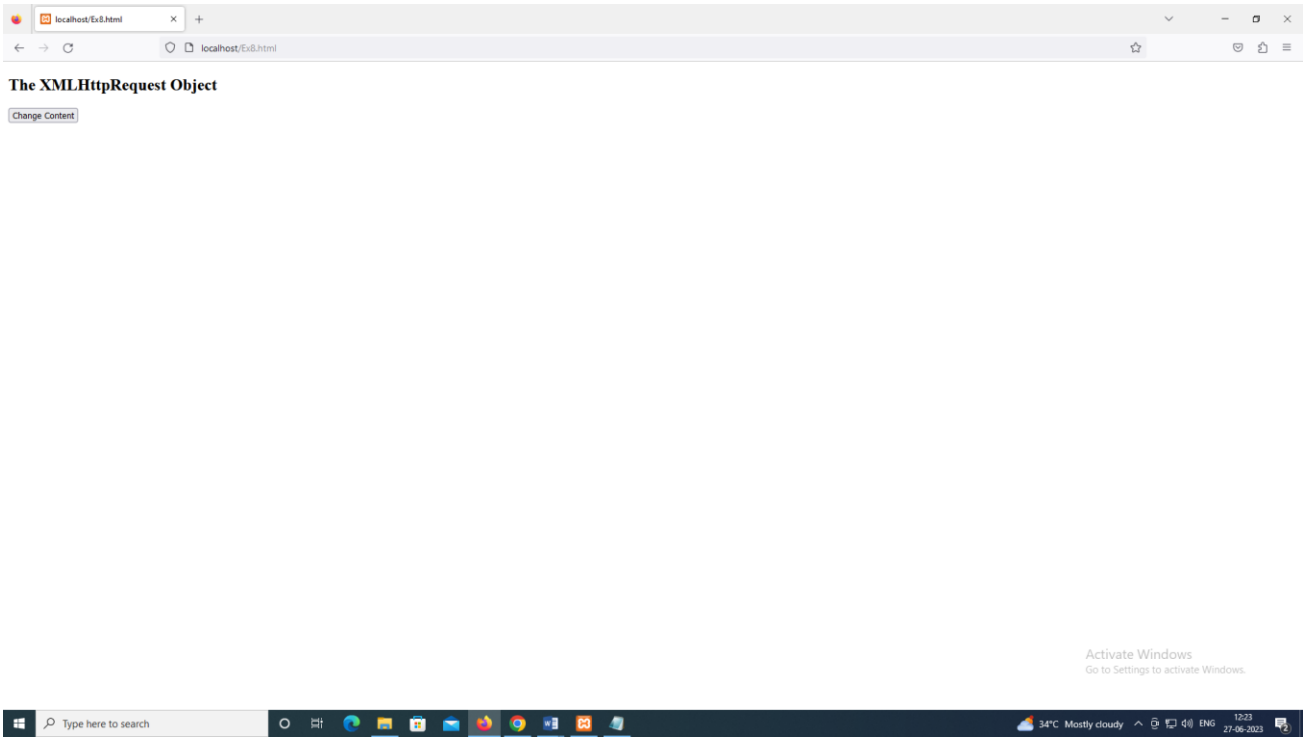
Ajaz_infor.txt

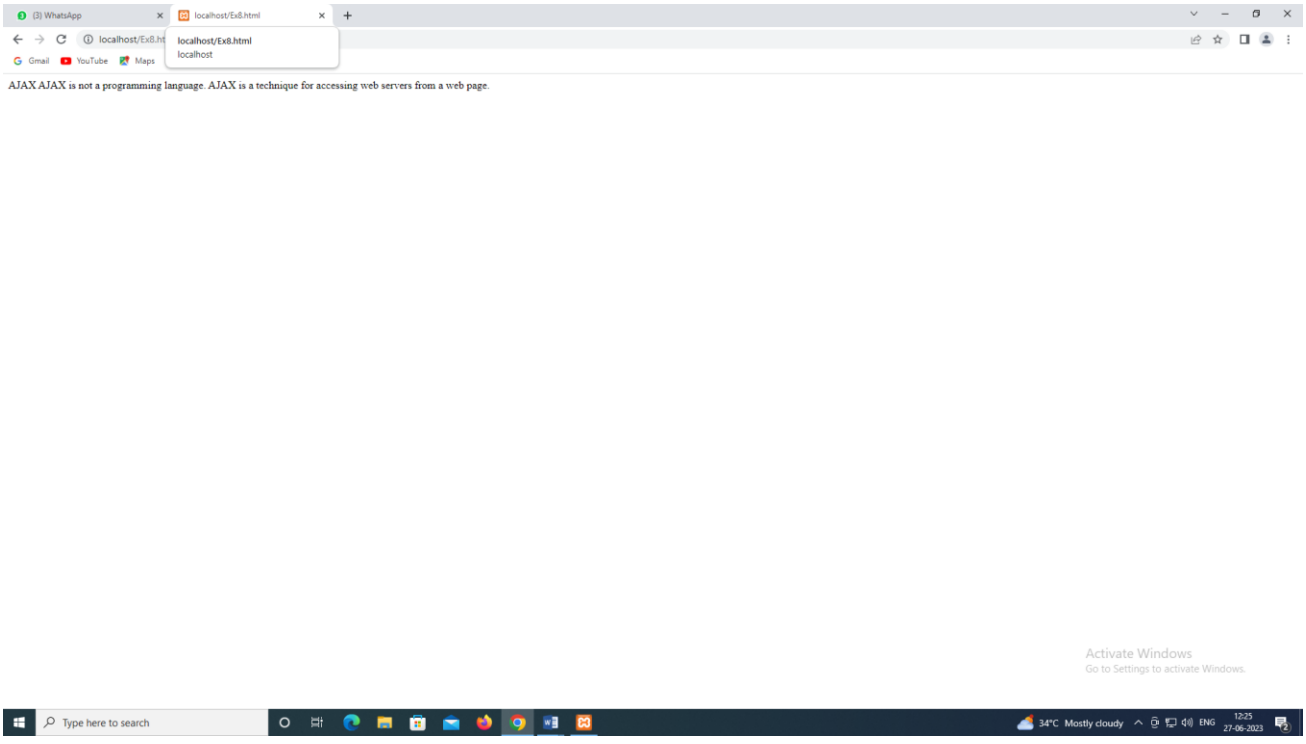
AJAX

AJAX is not a programming language.

AJAX is a technique for accessing web servers from a web page.

AJAX stands for Asynchronous JavaScript And XML.





b.Create an XMLHttpRequest to retrieve data from an XML file.

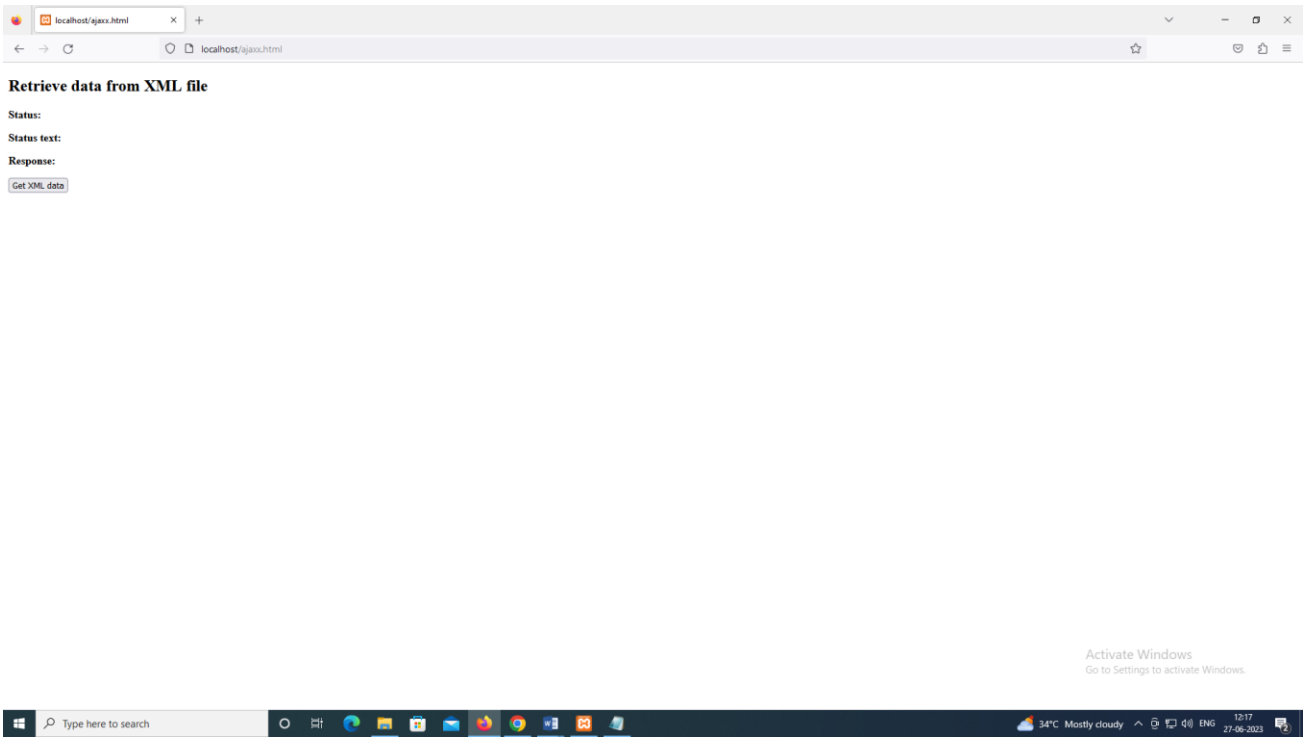
Ajaxphp.html

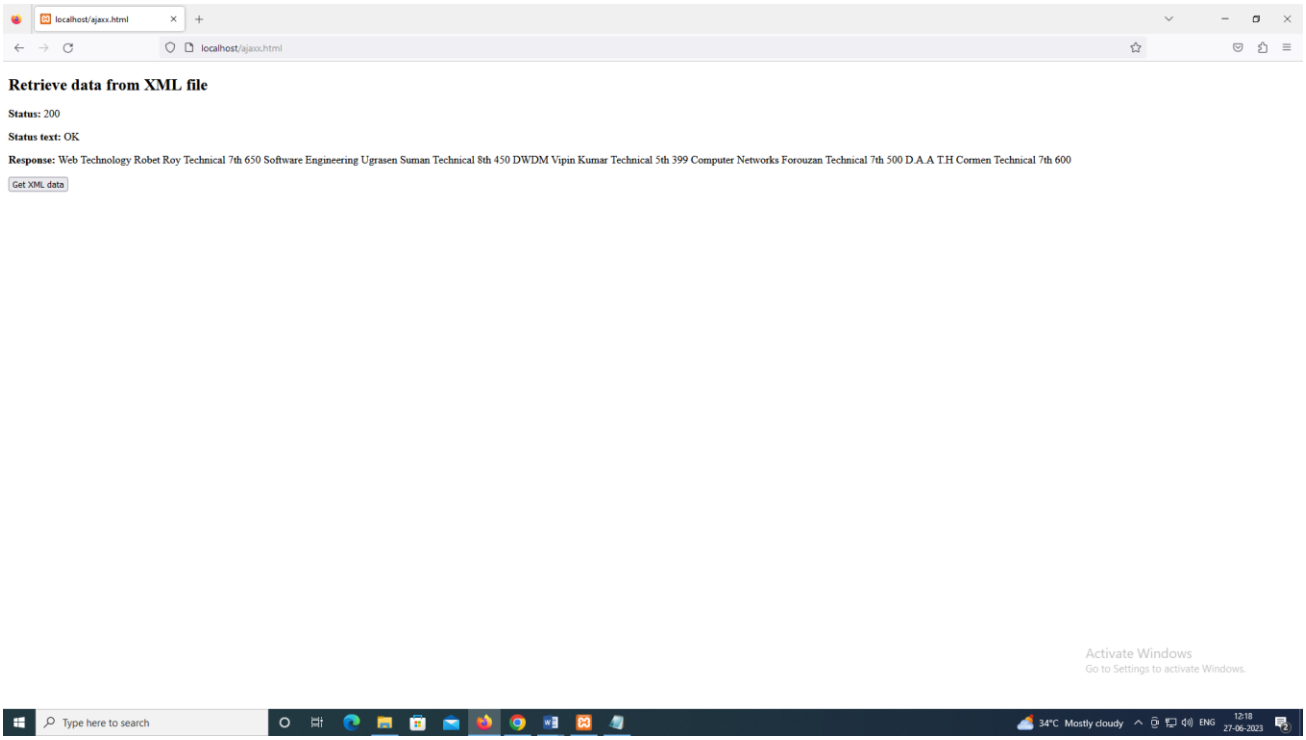
```
<!DOCTYPE html>
<html>
<body>
<h2>Retrieve data from XML file</h2>
<p><b>Status:</b><span id="A1"></span></p>
<p><b>Status text:</b><span id="A2"></span></p>
<p><b>Response:</b><span id="A3"></span></p>
<button onclick="loadDoc('book.xml')">Get XML data</button>
<script>
function loadDoc(url) {
  var xhttp = new XMLHttpRequest();
  xhttp.onreadystatechange = function() {
    if (xhttp.readyState == 4 && xhttp.status == 200) {
      document.getElementById('A1').innerHTML = xhttp.status;
      document.getElementById('A2').innerHTML = xhttp.statusText;
      document.getElementById('A3').innerHTML = xhttp.responseText;
    }
  };
  xhttp.open("GET", url, true);
  xhttp.send();
}
</script>
</body>
</html>
```

Book.xml

```
<?xml version="1.0" encoding="UTF-8"?> <?xmlstylesheet type="text/xsl" href="example.xsl"?>
<library_details>
<library>
<Bookname>Web Technology</Bookname>
<Author>Robet Roy</Author>
<Publisher>Technical</Publisher>
<Edition>7th</Edition>
<Price>650</Price>
</library>
<library>
<Bookname>Software Engineering</Bookname>
<Author>Ugrasen Suman</Author>
<Publisher>Technical</Publisher>
<Edition>8th</Edition>
<Price>450</Price>
</library>
```

<library>
<library>
<Bookname>Computer Networks</Bookname>
<Author>Forouzan</Author>
<Publisher>Technical</Publisher>
<Edition>7th</Edition>
<Price>500</Price>
</library>
<library>
</library_details>





c. Create a javascrip in Ajax to send and retrieve the request and response

Ajax_get.html

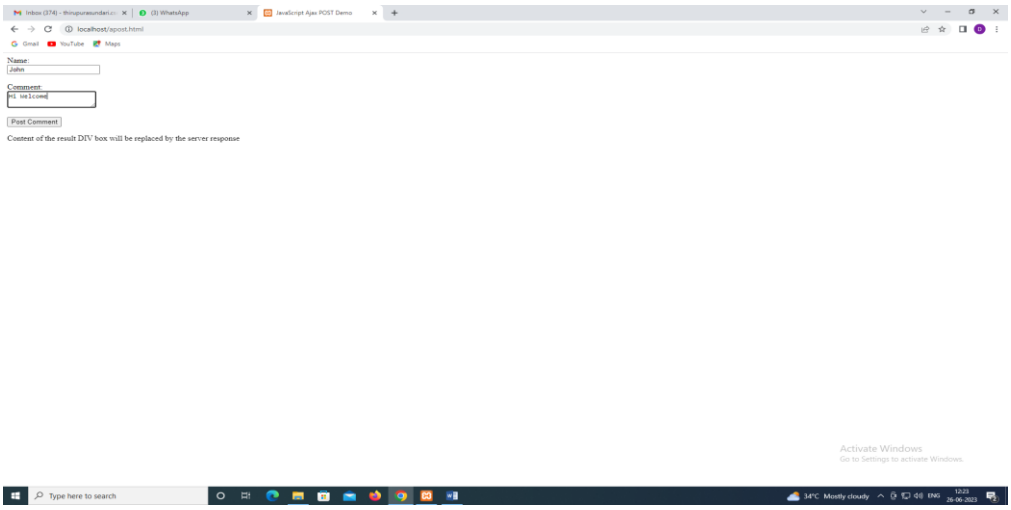
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>JavaScript Ajax POST</title>
<script>
function postComment() {
   // Creating the XMLHttpRequest object
   var request = new XMLHttpRequest();

   // Instantiating the request object
   request.open("POST", "confirmation.php", true);

   // Defining event listener for readystatechange event
   request.onreadystatechange = function() {
      // Check if the request is compete and was successful
      if(this.readyState === 4 && this.status === 200) {
         // Inserting the response from server into an HTML element
         document.getElementById("result").innerHTML = this.responseText;
      }
   };
      // Retrieving the form data
   var myForm = document.getElementById("myForm");
   var formData = new FormData(myForm);
```

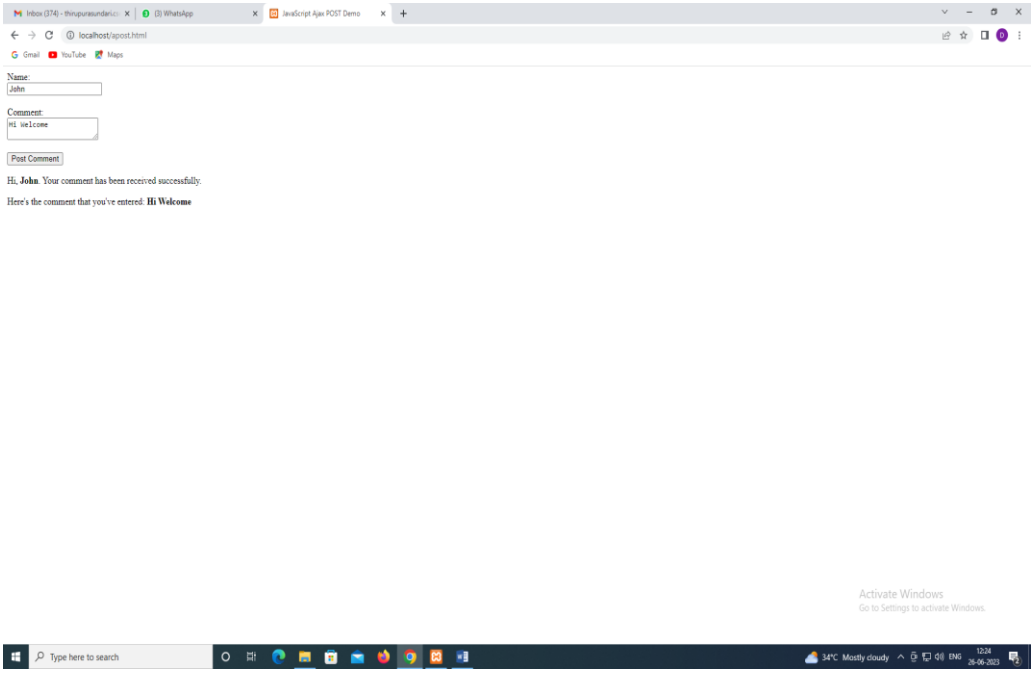
```
    // Sending the request to the server
    request.send(formData);
}
</script>
</head>
<body>
    <form id="myForm">
        <label>Name:</label>
        <div><input type="text" name="name"></div>
        <br>
        <label>Comment:</label>
        <div><textarea name="comment"></textarea></div>
        <p><button type="button" onclick="postComment()">Post Comment</button></p>
    </form>
    <div id="result">
        <p>Content of the result DIV box will be replaced by the server response</p>
    </div>
</body>
</html>
```

confirmation.php

```
<?php
if($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = htmlspecialchars(trim($_POST["name"]));
    $comment = htmlspecialchars(trim($_POST["comment"]));

    // Check if form fields values are empty
    if(!empty($name) && !empty($comment)) {
        echo "<p>Hi, <b>$name</b>. Your comment has been received successfully.<p>";
        echo "<p>Here's the comment that you've entered: <b>$comment</b></p>";
    } else {
        echo "<p>Please fill all the fields in the form!</p>";
    }
} else {
    echo "<p>Something went wrong. Please try again.</p>";
}
?>
```

Output:





Result:

Thus the XMLHttpRequest to retrieve data from an TXT file & XML file is executed & verified successfully.

Ex.No:9 **Create a android program to insert android Logo image and print "Hello World" below the image.**

Date:

Aim:

To create an android program to load an image and print "Welcome to Android Programming".

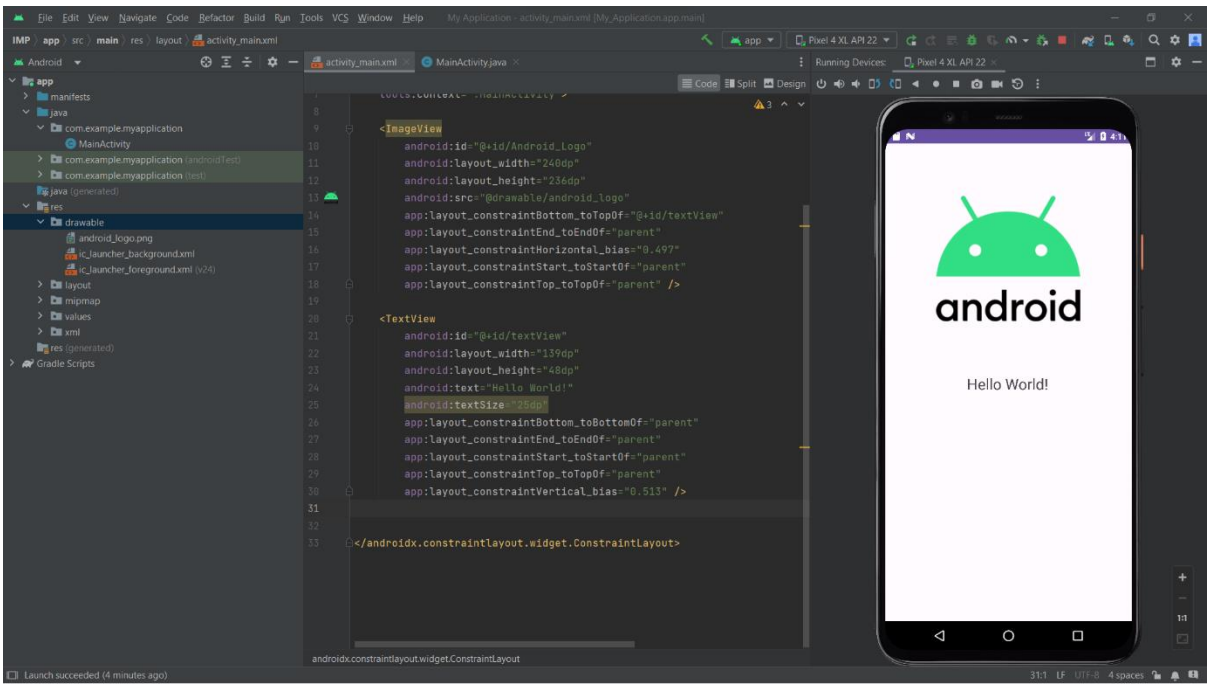
Algorithm:

1. Open android flamingo and create new project.
2. Select our project in the project explorer.
3. select the required layout.
4. Type the code for activity_main.xml
5. Choose the relative layout and change its properties.
6. Screen layout can be viewed by clicking graphics layout tab.
7. Override On Create() function
8. Create Image view and initialize its using id of some components used in the xml program.
9. Save the program and Run the program.
10. Output can be viewed in the android emulator.

Implementation:

```
<ImageView
    android:id="@+id/Android_Logo"
    android:layout_width="240dp"
    android:layout_height="236dp"
    android:src="@drawable/android_logo"
    app:layout_constraintBottom_toTopOf="@+id/textView"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<TextView
    android:id="@+id/textView"
    android:layout_width="139dp"
    android:layout_height="48dp"
    android:text="Hello World!"
    android:textSize="25dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.513" />
```

Output:



Result:

Thus the android program to load an image and print “Welcome to Android Programming” was executed and verified.

Ex.No:10
Date:

Create an android program to send data to one activity to another activity.

Aim:

To create an android program to send data to one activity to another activity.

Algorithm:

1. Open android flamingo and create new project.
2. Select our project in the project explorer.
3. select the required layout.
4. Type the code for activity_main.xml
5. Choose the relative layout and change its properties.
6. Screen layout can be viewed by clicking graphics layout tab.
7. Override On Create() function
8. Create Imageview and initialize its using id of some components used in the xml program.
9. Save the program and Run the program.
10. Output can be viewed in the android emulator.

Implementation:

Activity_main.xml:

```
<EditText
   android:id="@+id/Name"
   android:layout_width="300dp"
   android:layout_height="wrap_content"
   android:hint="Enter your Name"
   android:textSize="25dp"
   app:layout_constraintBottom_toTopOf="@+id/login_btn"
   app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintHorizontal_bias="0.495"
   app:layout_constraintStart_toStartOf="parent"
   app:layout_constraintTop_toTopOf="parent"
   app:layout_constraintVertical_bias="0.264" />

<EditText
   android:id="@+id/Regno"
   android:layout_width="300dp"
   android:layout_height="wrap_content"
   android:layout_marginTop="64dp"
   android:hint="Register Number"
   android:textSize="25dp"
   app:layout_constraintBottom_toTopOf="@+id/login_btn"
   app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintHorizontal_bias="0.495"
   app:layout_constraintStart_toStartOf="parent"
   app:layout_constraintTop_toBottomOf="@+id/Name"
   app:layout_constraintVertical_bias="0.0" />
```

```
<Button
   android:id="@+id/login_btn"
   android:layout_width="150dp"
   android:layout_height="55dp"
   android:layout_marginTop="36dp"
   android:text="Submit"
   android:textSize="25dp"
   app:layout_constraintBottom_toBottomOf="parent"
   app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintHorizontal_bias="0.498"
   app:layout_constraintStart_toStartOf="parent"
   app:layout_constraintTop_toTopOf="parent"
   app:layout_constraintVertical_bias="0.559" />
```

Activity_main2.xml:

```
<TextView
   android:id="@+id/received_name"
   android:layout_width="300dp"
   android:layout_height="40dp"
   android:layout_marginTop="156dp"
   android:text="Name: "
   android:textSize="20dp"
   app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintHorizontal_bias="0.495"
   app:layout_constraintStart_toStartOf="parent"
   app:layout_constraintTop_toTopOf="parent" />

<TextView
   android:id="@+id/received_regno"
   android:layout_width="300dp"
   android:layout_height="40dp"
   android:layout_marginTop="248dp"
   android:text="RegNo: "
   android:textSize="20dp"
   app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintHorizontal_bias="0.495"
   app:layout_constraintStart_toStartOf="parent"
   app:layout_constraintTop_toTopOf="parent" />
```

MainActivity.java:

```
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {
```

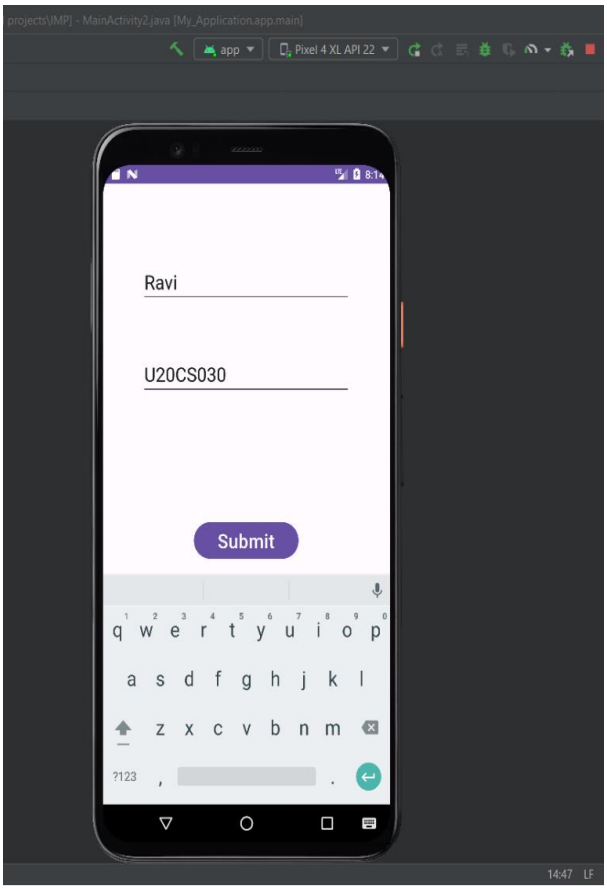
```
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);


        Button login_button;
        EditText name;
        EditText regno;

            login_button = findViewById(R.id.login_btn);
            name = findViewById(R.id.Name);
            regno = findViewById(R.id.Regno);

            login_button.setOnClickListener(v -> {

                String str = name.getText().toString();
                String str1 = regno.getText().toString();

               Intent intent = new Intent(getApplicationContext(), MainActivity2.class);
                intent.putExtra("message_key", str);
                intent.putExtra("message_key1", str1);
                startActivity(intent);
            });
        }
    }
```

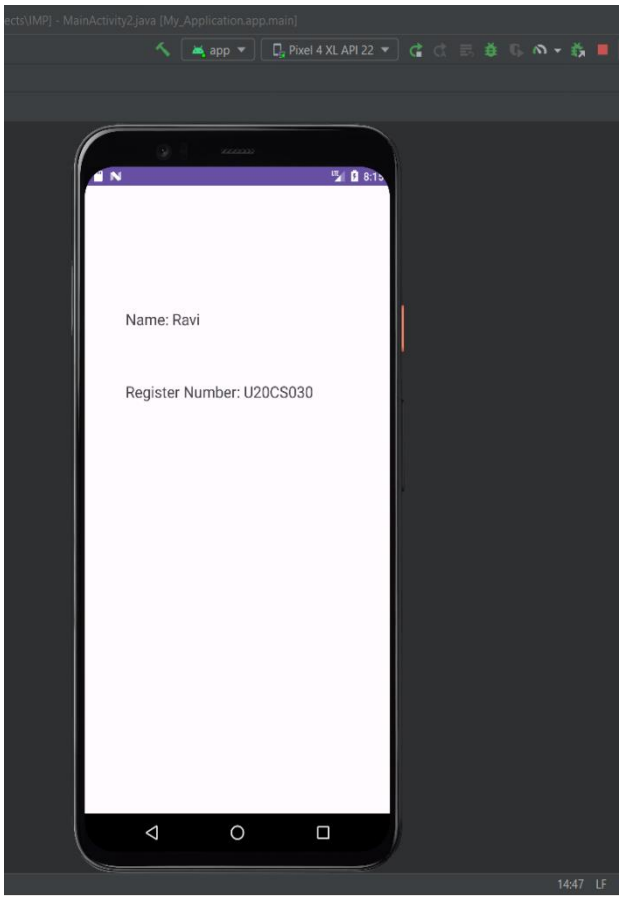
MainActivity2.java:

```
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;

public class MainActivity2 extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);

        TextView receiver_name;
        TextView receiver_regno;

        receiver_name = findViewById(R.id.received_name);
        receiver_regno = findViewById(R.id.received_regno);

        Intent intent = getIntent();
```

```
        String str = intent.getStringExtra("message_key");
        String str1 = intent.getStringExtra("message_key1");

        receiver_name.setText("Name: " + str);
        receiver_regno.setText("Register Number: " + str1);
    }
}
```

Output:





Result:

Thus the an android program to send data to one activity to another activity has been done successfully.