WEB TECHNOLOGIES

LAB RECORD

LAB CODE: 20ITL401

DEPARTMENT OF INFORMATION TECHNOLOGY

Bapatla Engineering College :: Bapatla

(Autonomous)

(Affiliated to Acharya Nagarjuna University)

BAPATLA – 522101, A.P

BAPATLA ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

WEB-TECHNOLOGY

CERTIFICATE

This is to certify that the experiments recorded in this book is the bonafide work of _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ bearing Regd. No. _ _ _ _ _ _ _ _ _ _ _ _ _ a student of **2/4 IT-** B.Tech (Information Technology) carried out in the subject

Web Technology Lab in the Bapatla Engineering College, Bapatla during the year---------- of experiments recorded are____.

Prof **N. Sivaram Prasad**

LECTURER-IN-CHARGE HEAD OF THE DEPARTMENT

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Experiment: 1 a) **Date:**

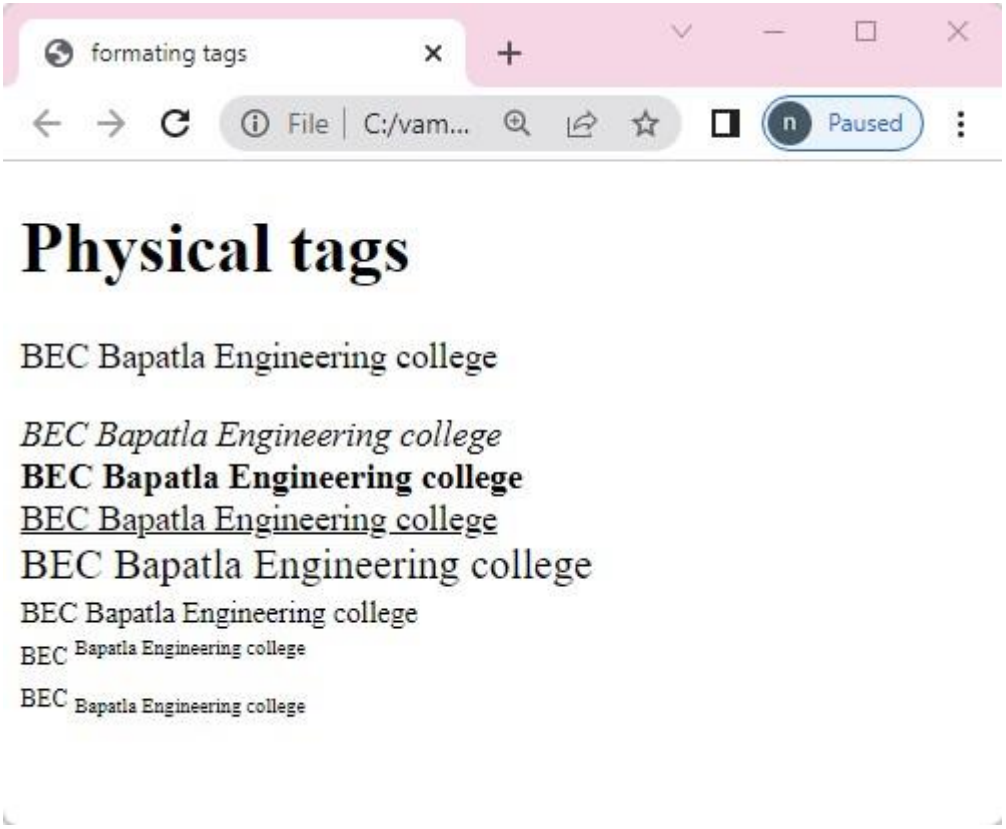
Aim: Demonstrate all the basic tags in HTML 5 for Formatting tags

a. Physical tags

Source code:

```
<!DOCTYPE html>
<html>
 <head>
  <title>formating tags</title>
 </head>
 <body>
    <h1>Physical tags</h1>
    <p>BEC Bapatla Engineering college</p>
    <i>BEC Bapatla Engineering college</i><br>
    <b>BEC Bapatla Engineering college</b><br>
    <u>BEC Bapatla Engineering college</u><br>
    <big>BEC Bapatla Engineering college</big><br>
    <small>BEC Bapatla Engineering college<small><br>
    BEC <sup> Bapatla Engineering college</sup><br>
    BEC <sub> Bapatla Engineering college</sub><br>
 </body>
</html>
```

Output:

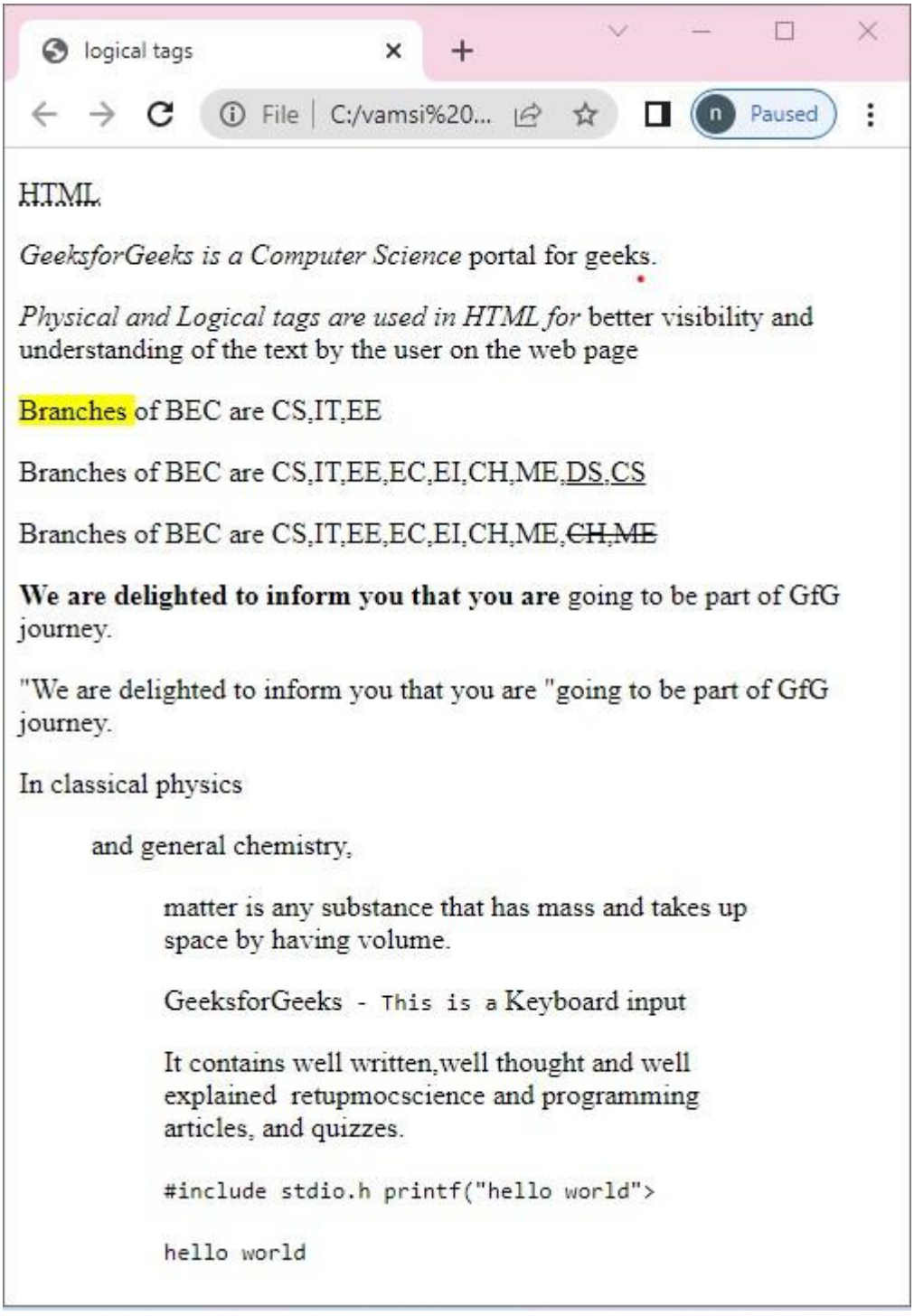

formating tags
File | C:/vam...
Paused
Physical tags
BEC Bapatla Engineering college
BEC Bapatla Engineering college
BEC Bapatla Engineering college
BEC Bapatla Engineering college
BEC Bapatla Engineering college
BEC Bapatla Engineering college
BEC Bapatla Engineering college

b. Logical tags

Source code:

```
<!DOCTYPE html>
<html>
    <head>
        <title>logical tags</title>
    </head>
    <body>
        <p><abbr title="Hyper Text Markup language">
        HTML</abbr></P>
        <p><dfn title="geeks"> GeeksforGeeks  is a Computer Science
        </dfn>portal for geeks.</P>
        <p><em>Physical and Logical tags are used in HTML for
        </em>better visibility and understanding of the text by
         the user on the web page</p>
        <p><mark>Branches </mark>of BEC are CS,IT,EE</p>
        <p>Branches of BEC are CS,IT,EE,EC,EI,CH,ME,
        <ins>DS,CS</ins></p>
        <p>Branches of BEC are CS,IT,EE,EC,EI,CH,ME,<del>
        CH,ME</del></p>
        <p><strong>We are delighted to inform you that you are
        </strong>going to be part of GfG journey.</p>
        <p><q>We are delighted to inform you that you are </q>going
        to be part of GfG journey.</q></p>
        <p>In classical physics <blockquote>and general chemistry,
        <blockquote> matter is any substance that has mass
        and takes up space by having volume.</p>
        <p> GeeksforGeeks<kbd> -This is a</kbd>Keyboard
        input</p>
        <p> It contains well written,well thought and well explained
        <bdo dir="rtl">  computer  </bdo> science and
        programming articles, and quizzes.</p>
        <p><code>#include stdio.h printf("hello world"></code></p>
        <p><samp>hello world</samp></p>
    </body>
</html>
```

Output:


logical tags
File | C:/vamsi%20...
Paused
HTML
GeeksforGeeks is a Computer Science portal for geeks.
Physical and Logical tags are used in HTML for better visibility and understanding of the text by the user on the web page
Branches of BEC are CS,IT,EE
Branches of BEC are CS,IT,EE,EC,EI,CH,ME,DS,CS
Branches of BEC are CS,IT,EE,EC,EI,CH,ME,CH,ME
We are delighted to inform you that you are going to be part of GfG journey.
"We are delighted to inform you that you are "going to be part of GfG journey.
In classical physics
and general chemistry,
matter is any substance that has mass and takes up space by having volume.
GeeksforGeeks - This is a Keyboard input
It contains well written,well thought and well explained retupmocscience and programming articles, and quizzes.
#include stdio.h printf("hello world">
hello world

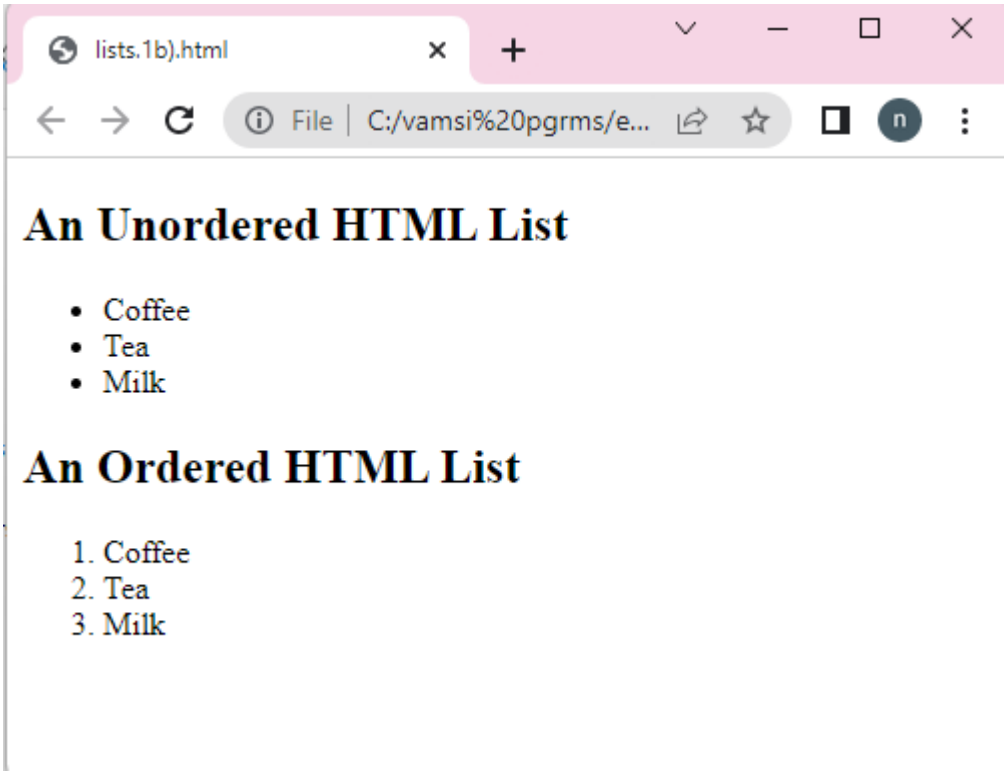
Experiment: 1 b) **Date:**

Aim: Demonstrate Representing type of list in HTML 5

Source code:

```
<!DOCTYPE html>
<html>
   <body>
        <h1>ordered list</h1>
        <ol>
            <li>apple</li>
            <li>banana</li>
            <li>mango</li>
        </ol>
        <h2>fruits list</h2>
        <ul>
            <li>apple</li>
            <li>banana</li>
            <li>mango</li>
        </ul>
        <dl>
            <dt>BEC</dt>
            <dd>Bapatla Enginnering College</dd>
        </dt>
   </body>
</html>
```

Output:


lists.1b).html
File | C:/vamsi%20pgrms/e...
An Unordered HTML List
Coffee
Tea
Milk
An Ordered HTML List
1. Coffee
2. Tea
3. Milk

Experiment: 1 c) **Date:**

Aim: Demonstrate time table creation of list in HTML 5

Source code:

```
<!DOCTYPE html>
<html>
  <head>
     <title>Time Table</title>
   </head>
   <body>
     <div style="width:2%;float:left" align="right">
          <img src="bec.png" width="90" height="90">
        </div>
        <div style="width:98%;float:center">
          <p align="center"><b>Bapatla Engineering College </span>
           </b>  <br> (Autonomus) <br>
               Department of Information Technology <br>
.                  <span style="color:brown"> <i>Class Time Table for the
                   <span style="background-color:yellow"><u> A.Y2021-
                   22,IV Semester </u> </span> </i> </span> </p>
        </div>
        <hr>
        <div style="float:left">
        <table>
          <td colspan="2"><i>w.e.f:</i>28-03-2022</td>
              <td><pre>     </pre></td>
              <td colspan="2"><i>Class:</i>2 II B.Tech,IT</td>
              <td><pre>     </pre></td>
              <td colspan="2"><i>Section:</i>2A</td>
              <td><pre>  </pre></td>
              <td colspan="2"><i>Room No:</i>2RPLH-03</td>
        </table>
        <table border="2">
          <tr style="background-color:orange">
                <th>Time <br>Day</th>
                    <th>7:30-<br>8:20</th>
                    <th>8:20-<br>9:10</th>
                    <th>9:10-<br>10:00</th>
                    <th rowspan="7">B<br>R<br>E<br>A<br>K</th>
                    <th>10:30-<br>11:20</th>
                    <th>11:20-<br>12:10</th>
                    <th>12:10-<br>01:00</th>
              </tr>
              <tr align="center">
                 <th style="background-color:orange">Mon</th>
```

```
                <td>PHEV</td>
                <td>DAA</td>
                <td><small>PYTHON<br>
                PROGRAMMING</small></td>
                <td>WT</td>
                <td>p&s </td>
                <td>DBMS</td>

            </tr>
            <tr align="center">
               <th style="background-color:orange">Tues</th>
                    <td colspan="3">WT/RDBMS LAB</td>
                    <td>DBMS</td>
                    <td><small>PYTHON<br>
                    PROGRAMMING</small></td>
                    <td>WT</td>
            </tr>
            <tr align="center">
               <th style="background-color:orange">Wed</th>
                    <td>p&s</td>
                    <td>DAA</td>
                    <td>WT</td>
                    <td colspan="3">RDBMS/Python Prog.lab </td>
            </tr>
            <tr align="center">
               <th style="background-color:orange">Thus</th>
                    <td>PHEV</td>
                    <td><small>PYTHON<br>
                    PROGRAMMING</small></td>
                    <td>DBMS</td>
                    <td>p&s </td>
                    <td>WT</td>
                    <td>DAA</td>
            </tr>
            <tr align="center">
               <th style="background-color:orange">Fri</th>
                    <td colspan="3">Python Prog./WT Lab</td>
                    <td>PHEV</td>
                     <td>DAA</td>
                    <td>DBMS</td>
            </tr>
            <tr align="center">
               <th style="background-color:orange">Sat</th>
                    <td>DAA</td>
                    <td>DBMS</td>
                    <td>p&s </td>
```

```
                    <td>PHEV</td>
                    <td>WT</td>
                    <td style="background-color:green">Mentoring</td>
                </tr>
            </table>
        </div>
        <div style="width:80%;float:right">
          <table>
              <th style="background-color:blue;color:white">Section
              Coordinator: Mr.K.Suresh Kumar,Asst.Professor</th>
          </table>
        </div>
        <div style="float:left">
          <table>
            <tr style="background-color:orange" align="left">
                <th>Sub.Code</th>
                    <th>Sub.Name</th>
                    <th>Faculty.Name</th>
                    <th>Sub.Code</th>
                    <th>Sub.Name</th>
                    <th>Faculty.Name</th>

            </tr>
            <tr align="left">
                <th>20IT401/MA03</th>
                    <td>P&S </td>
                    <td>Mr.I.Pothuraju </td>
                    <th>20ITL401</th>
                    <td>WT Lab</td>
                    <td>Mr.Sk.Mabasha</td>

            </tr>
            <tr align="left">
                <th>20IT402</th>
                    <td>WT</td>
                    <td>Mr.Sk.Mabasha</td>
                    <th>20ITL402</th>
                    <td>RDBMS Lab</td>
                    <td>Mr.P.Ravi Kumar</td>
            </tr>
            <tr align="left">
                <th>20IT403</th>
                    <td>DBMS</td>
                    <td>Mr.P.Ravi Kumar</td>
                    <th>20ITL403 /</th>
                    <td>Python</td>
```

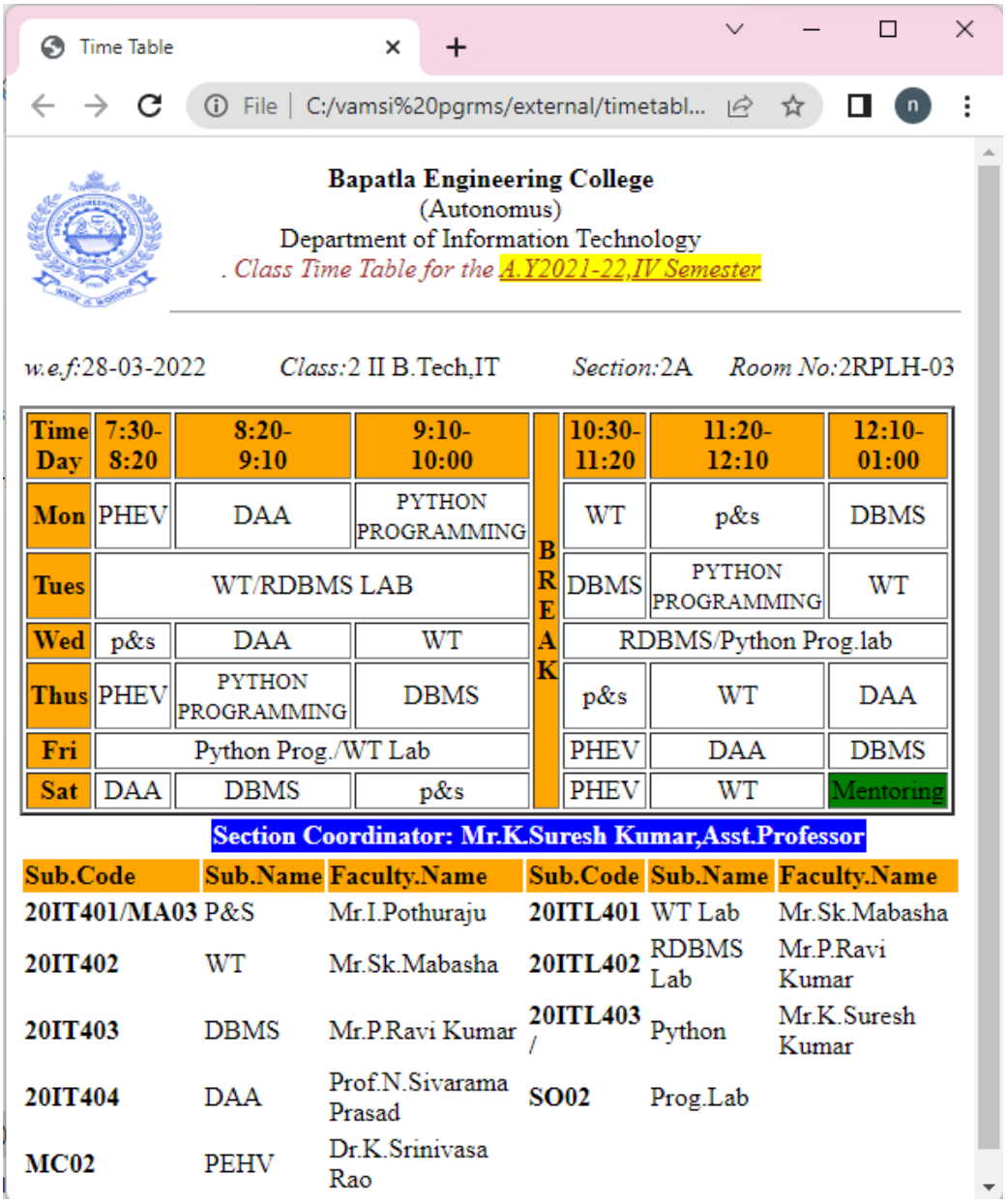
```
                                    <td>Mr.K.Suresh Kumar</td>

                                </tr>
                            <tr align="left">
                                <th>20IT404</th>
                                    <td>DAA</td>
                                    <td>Prof.N.Sivarama Prasad</td>
                                    <th>SO02</th>
                                    <td>Prog.Lab</td>
                                </tr>
                            <tr align="left">
                                <th>MC02</th>
                                    <td>PEHV</td>
                                    <td>Dr.K.Srinivasa Rao</td>
                                </tr>
                    </div>
                      </table>

                    <hr>
                    <div style="width:100;float:left">

        </body>
    </html>
```

Output:



Time Table

File | C:/vamsi%20pgrms/external/timetabl...

Bapatla Engineering College
(Autonomus)
Department of Information Technology
. Class Time Table for the A.Y2021-22,IV Semester

*w.e.f:*28-03-2022 *Class:*2 II B.Tech,IT *Section:*2A *Room No:*2RPLH-03

Time Day	7:30-8:20	8:20-9:10	9:10-10:00	BREAK	10:30-11:20	11:20-12:10	12:10-01:00
Mon	PHEV	DAA	PYTHON PROGRAMMING		WT	p&s	DBMS
Tues	WT/RDBMS LAB				DBMS	PYTHON PROGRAMMING	WT
Wed	p&s	DAA	WT		RDBMS/Python Prog.lab		
Thus	PHEV	PYTHON PROGRAMMING	DBMS		p&s	WT	DAA
Fri	Python Prog./WT Lab				PHEV	DAA	DBMS
Sat	DAA	DBMS	p&s		PHEV	WT	Mentoring

Section Coordinator: Mr.K.Suresh Kumar,Asst.Professor

Sub.Code	Sub.Name	Faculty.Name	Sub.Code	Sub.Name	Faculty.Name
20IT401/MA03	P&S	Mr.I.Pothuraju	20ITL401	WT Lab	Mr.Sk.Mabasha
20IT402	WT	Mr.Sk.Mabasha	20ITL402	RDBMS Lab	Mr.P.Ravi Kumar
20IT403	DBMS	Mr.P.Ravi Kumar	20ITL403 /	Python	Mr.K.Suresh Kumar
20IT404	DAA	Prof.N.Sivarama Prasad	SO02	Prog.Lab	
MC02	PEHV	Dr.K.Srinivasa Rao			

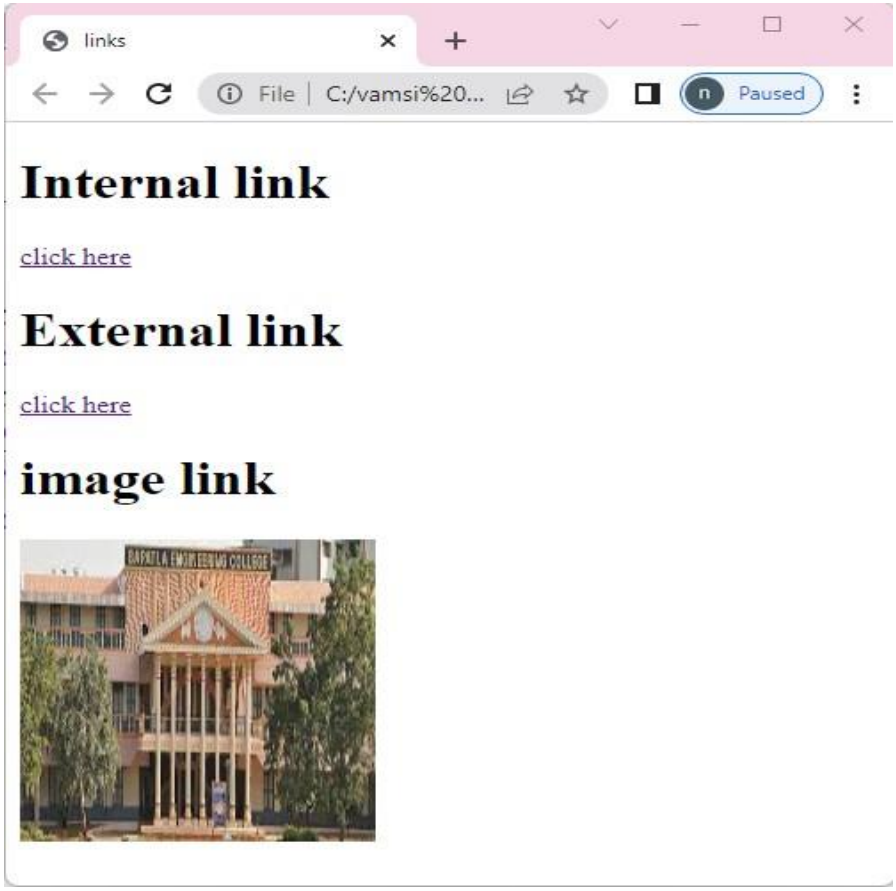
Experiment: 2 a) **Date:**

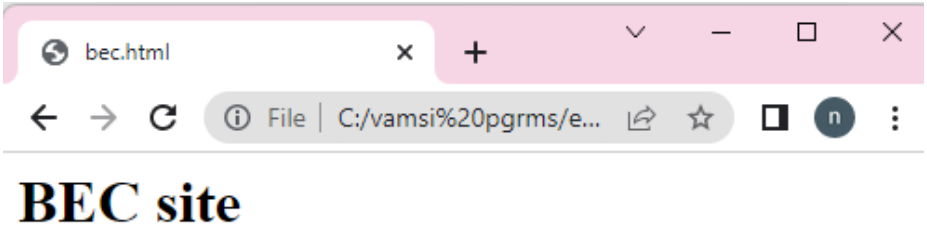
Aim: Demonstrate internal link, external link, image as link type of list in HTML 5

Source code:

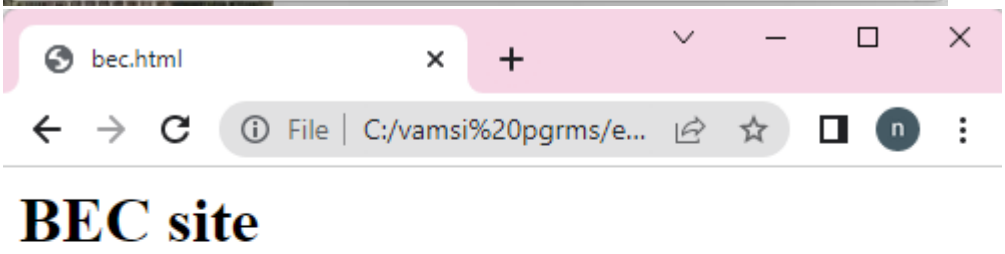
```
<!DOCTYPE html>
<html>
    <head>
        <title>links</title>
    </head>
    <body>
        <h1>Internal link</h1>
        <a href="bec.html">click here</a>
        <h1>External link</h1>
        <a href="http://www.becbapatla.ac.in/">click here</a>
        <h1>image link</h1>
        <a href="bec.html"><img src="bec.jpg" height="200"
            width="200"></a>
    </body>
</html>
```

Output:


links
File | C:/vamsi%20...
Paused
Internal link
click here
External link
click here
image link


bec.html
File | C:/vamsi%20pgrms/e...
BEC site


Bapatla Engineering College
Not secure | becbapatla.ac.in
Bapatla Engineering College
Bapatla Engineering College
(Autonomous)
AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY
1250+
100%
BECB
1 Crore
For Admissions
94418 68242
94407 30035
Welcome to Bapatla Engineering College


bec.html
File | C:/vamsi%20pgrms/e...
BEC site

Experiment: 1 b) **Date:**

Aim: Demonstrate id using frames in HTML 5

Source code:

```
<!DOCTYPE html>
<html>
   <head>
       <title>Gmail</title>
    </head>
    <frameset rows="30%,40%,30%">
         <frame src="header.html" name="header"/>
         <frameset cols="40%,60%">
                        <frame src="nav.html" name="aside"/>
                        <frame src="" name="section"/>
                  </frameset>
         <frame src="footer.html" name="footer"/>
    </frameset>
</html>
```

Header.html

```
<!DOCTYPE html>

<html>
   <head>
       <title>head</title>
    </head>
    <body>
       <h2>GMAIL</h2>
    </body>
</html>
```

Nav.html

```
<!DOCTYPE html>
<html>
   <head>
       <title>NAVIGATION</title>
    </head>
    <body>
    <nav>
      <a href="Inbox.html" target="section">inbox</a><br>
      <a href="sent.html" target="section">sent</a><br>
    </nav>
    </body>
</html>
```

Inbox.html

```
<!DOCTYPE html>
<html>
```

```
    <head>
        <title>Inbox</title>
      </head>
      <body>
        <h2>Inbox</h2>
      </body>
</html>
```

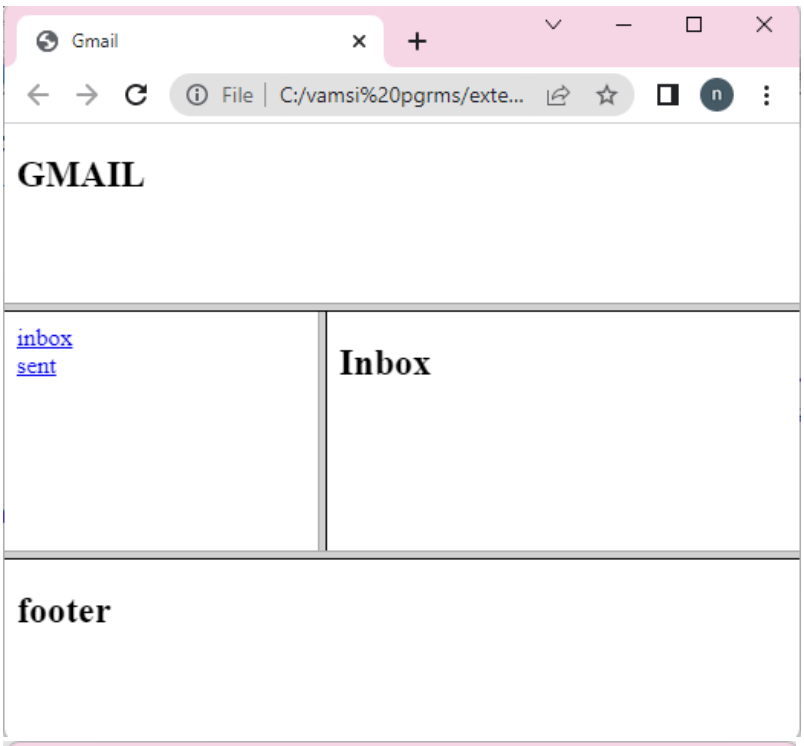
Sent.html

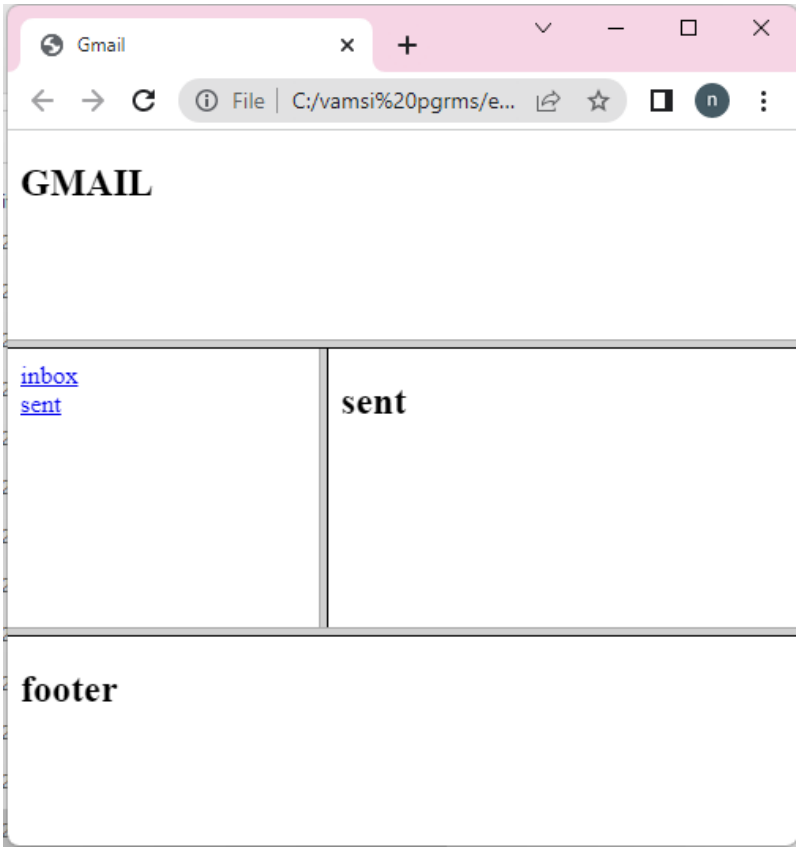
```
<!DOCTYPE html>
<html>
    <head>
        <title>sent</title>
      </head>
      <body>
        <h2>sent</h2>
      </body>
</html>
```

Footer.html

```
<!DOCTYPE html>
<html>
    <head>
        <title>footer</title>
      </head>
      <body>
        <h2>footer</h2>
      </body>
</html>
```

Output:


Gmail
File | C:/vamsi%20pgrms/exte...
GMAIL
inbox
sent
Inbox
footer


Gmail
File | C:/vamsi%20pgrms/e...
GMAIL
inbox
sent
sent
footer

Experiment: 1 c) **Date:**

Aim: Demonstrate image map in HTML 5

Source code:

```
<!DOCTYPE html>
<html>
    <head>
        <title>Image Map</title>
    </head>
    <body>
        <img src="indiamap.jpg" width="500" height="500" alt="india map"
        usemap="#india">
        <map name="india">
            <area shape="circle" coords="200,400,50"
            href="https://ap.nic.in/">
            <area shape="rect" coords="150,440,200,490"
            href="https://www.tnstc.in/home.html">
        </map>
    </body>
</html>
```

Output:

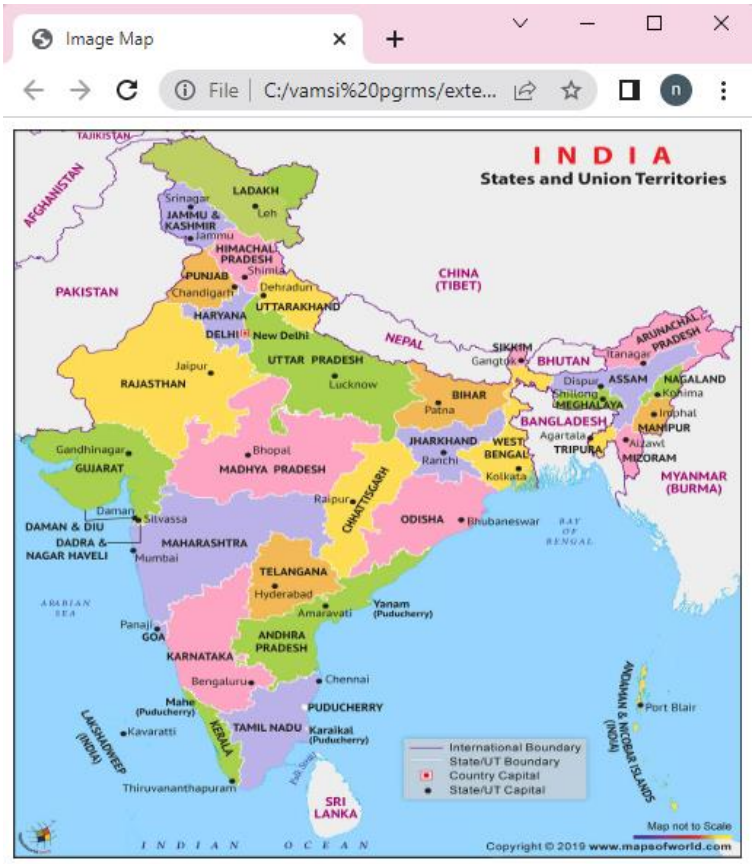


Image Map
File | C:/vamsi%20pgrms/exte...
INDIA
States and Union Territories
TAJIKISTAN
AFGHANISTAN
PAKISTAN
CHINA (TIBET)
NEPAL
BHUTAN
BANGLADESH
MYANMAR (BURMA)
SRI LANKA
LADAKH
JAMMU & KASHMIR
HIMACHAL PRADESH
PUNJAB
UTTARAKHAND
HARYANA
DELHI
New Delhi
UTTAR PRADESH
RAJASTHAN
BIHAR
SIKKIM
ARUNACHAL PRADESH
ASSAM
NAGALAND
MEGHALAYA
MANIPUR
MIZORAM
TRIPURA
JHARKHAND
WEST BENGAL
ODISHA
CHHATTISGARH
MADHYA PRADESH
GUJARAT
DAMAN & DIU
DADRA & NAGAR HAVELI
MAHARASHTRA
TELANGANA
ANDHRA PRADESH
KARNATAKA
GOA
PUDUCHERRY
TAMIL NADU
KERALA
LAKSHADWEEP (INDIA)
ANDAMAN & NICOBAR ISLANDS (INDIA)
Port Blair
International Boundary
State/UT Boundary
Country Capital
State/UT Capital
Map not to Scale
INDIAN OCEAN
Copyright © 2019 www.mapsofworld.com

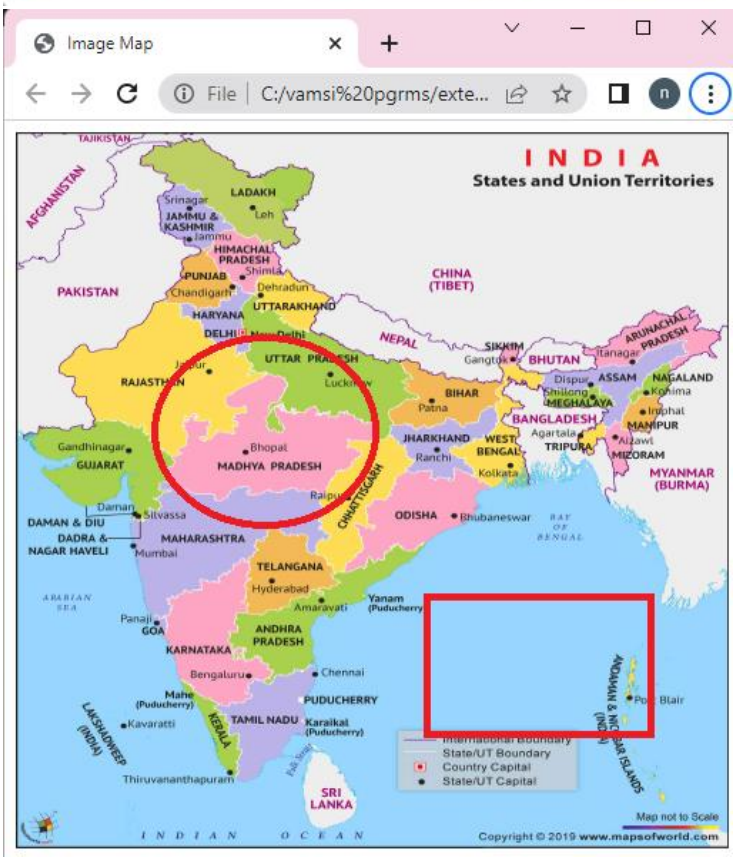


Image Map
File | C:/vamsi%20pgrms/exte...
INDIA
States and Union Territories
Map not to Scale
INDIAN OCEAN
Copyright © 2019 www.mapsofworld.com

Experiment: 3 a **Date:**

Aim: a html document to create regrstration form using all input fields

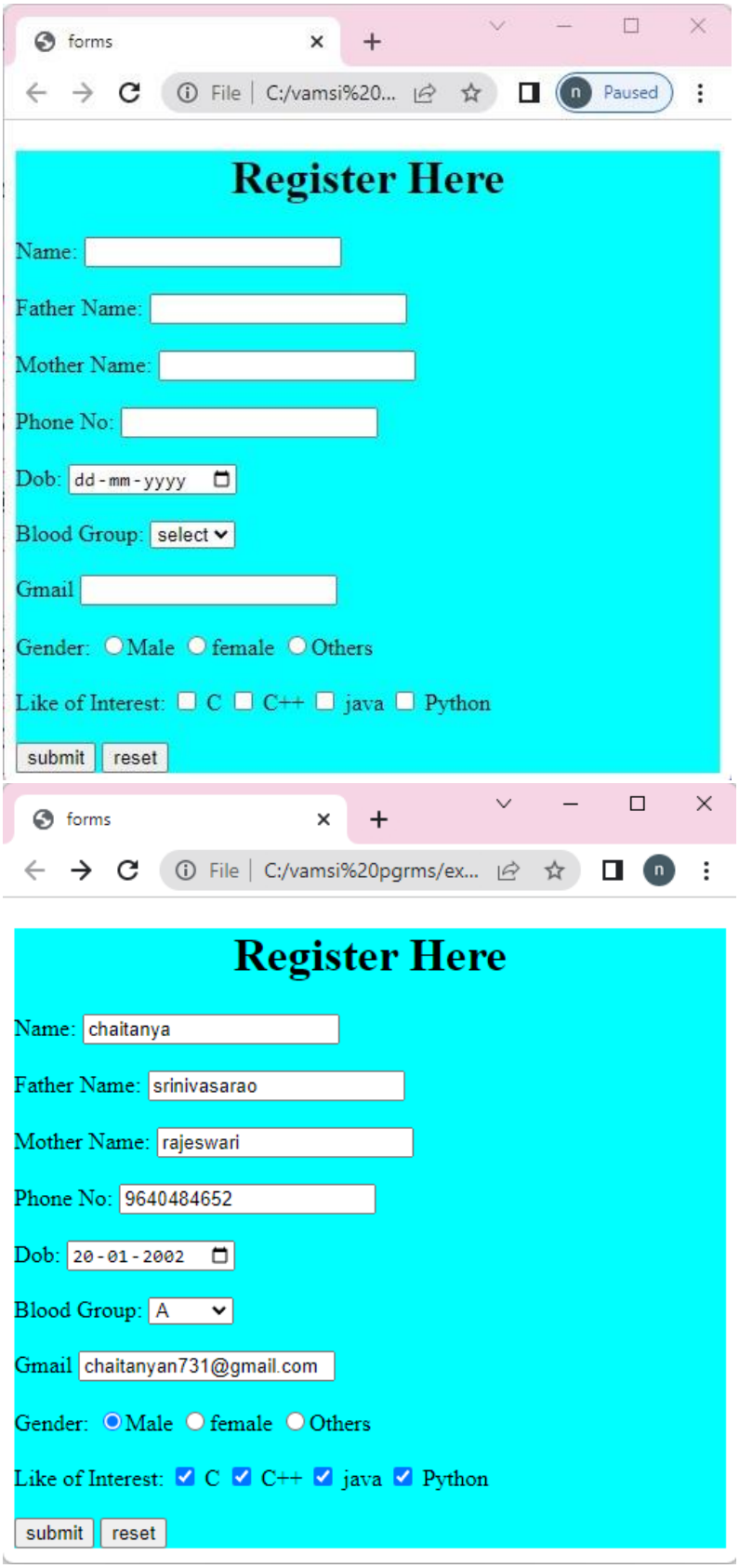
Source code:

```
<!DOCTYPE html>
  <html>
     <head>
        <title> forms </title>
     </head>
     <body >
                <div style="background-color:aqua">
                <h1 align="center">Register Here</h1>
                <form action="header.html">
                        <label>Name:</label>
                        <input type="text" name="name"></input></br><br>
                        <label>Father Name:</label>
                        <input type="text" name="Fame"></input></br><br>
                        <label> Mother Name:</label>
                        <input type="text" name="Mname"></input></br><br>
                        <label>Phone No:</label>
                        <input type="text" name="phnno"
                        maxlength="10"></input></br><br>
                        <label>Dob:</label>
                        <input type="date" name="dob"></input></br><br>
                        <label>Blood Group:</label>
                        <select>
                                <option > select</option></br>
                                <option > O</option></br>
                                <option > O+</option></br>
                                <option > A</option></br>
                                <option > A+</option></br>
                        </select><br><br>
                        <label>Gmail</label>
                        <input type="email" name="gmail"></input></br><br>
                        <label>Gender:</label>
                        <input type="radio" name="gen">Male</input>
                        <input type="radio" name="gen">female</input>
                        <input type="radio"
                        name="gen">Others</input><br><br>

                        <label>Like of Interest:</label>
                        <input type="checkbox" name="course"> C</input>
                        <input type="checkbox" name="course"> C++</input>
                        <input type="checkbox" name="course"> java</input>
                        <input type="checkbox" name="course">
```

```
                                    Python</input><br><br>
                                <input type="submit" value="submit" >
                                <input type="reset" value="reset">
                            </div>
                             </form>
                    </body>
            </html>
```

Output:


forms
File | C:/vamsi%20...
Paused
Register Here
Name:
Father Name:
Mother Name:
Phone No:
Dob: dd-mm-yyyy
Blood Group: select
Gmail
Gender: Male female Others
Like of Interest: C C++ java Python
submit reset
forms
File | C:/vamsi%20pgrms/ex...
Register Here
Name: chaitanya
Father Name: srinivasarao
Mother Name: rajeswari
Phone No: 9640484652
Dob: 20-01-2002
Blood Group: A
Gmail chaitanyan731@gmail.com
Gender: Male female Others
Like of Interest: C C++ java Python
submit reset

Experiment: 3 b **Date:**

Aim: a html document to demonstrate to create a form to demonstrate label, textarea, legend, option group, select

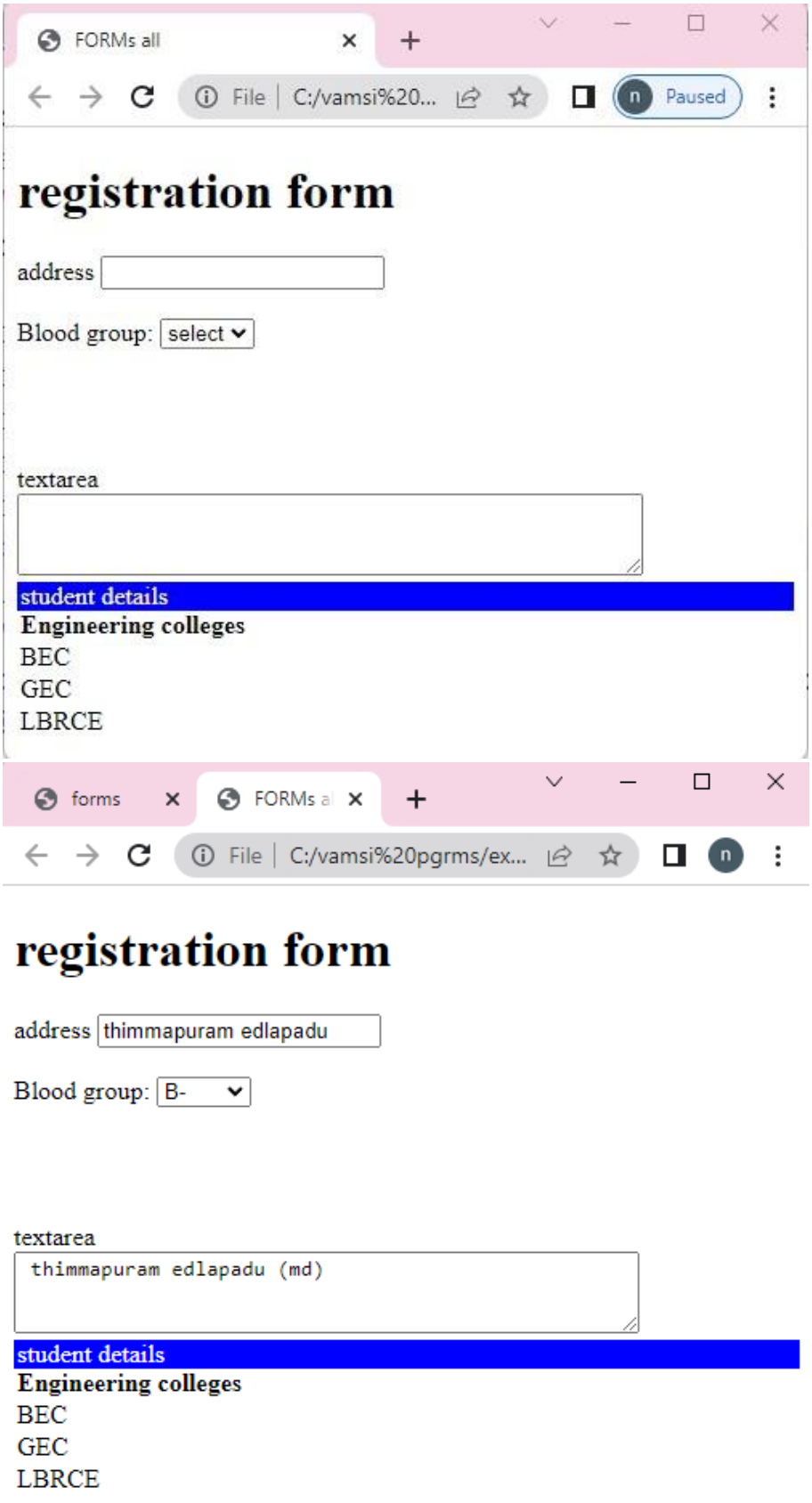
Source code:

```
<!DOCTYPE html>
<html>
  <head>
     <title>FORMs all</title>
    </head>
    <body>
    <form>
    <h1>registration form</h1>
    <label>address</label>
     <input type="text" name="address"></input> <br><br>
     <label>Blood group:</label>
     <select>
     <option>select</option>
        <option>A+</option>
             <option>B+</option>
             <option>AB+</option>
             <option>A-</option>
             <option>B-</option>
             <option>AB-</option>
    </select><br>
    <label>textarea</label>
    <textarea rows="3" cols="100"> </textarea>
    <legend style="background-color:blue;color:white">student details</legend>
    <optgroup label="Engineering colleges">
           <option>BEC</option>
           <option>GEC</option>
           <option>LBRCE</option>
    </optgroup>


</form>

    </body>
    </html>
```

Output:


FORMs all
File | C:/vamsi%20...
Paused
registration form
address
Blood group: select
textarea
student details
Engineering colleges
BEC
GEC
LBRCE
forms
FORMs a
File | C:/vamsi%20pgrms/ex...
registration form
address thimmapuram edlapadu
Blood group: B-
textarea
thimmapuram edlapadu (md)
student details
Engineering colleges
BEC
GEC
LBRCE

Experiment: 4 a) **Date:**

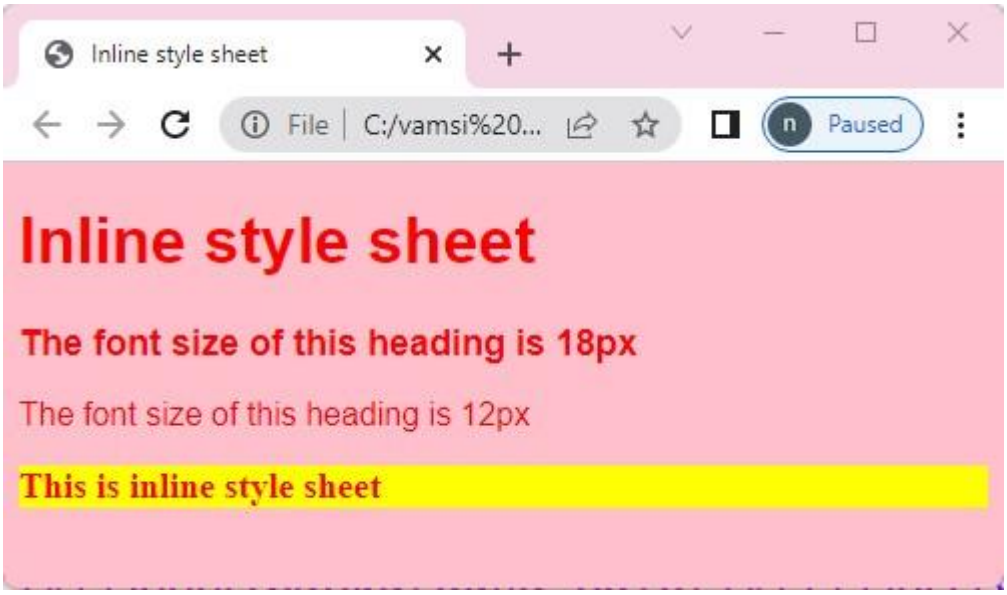
Aim: Demonstrate inline, internal, external sheets in CSS

a. Inline sheet

Source code:

```
<!DOCTYPE html>
<html>
 <head>
  <title>Inline style sheet</title>
 </head>
  <body style="color:red;background-color:pink;font-family:sans-serif">
        <h1>Inline style sheet</h1>
        <h1 style="font-size:18px">The font size of this heading is
            18px</h1>
            <p style="font-size=12px">The font size of this heading is
            12px</p>
            <h1 style="color:#ff0000;background-color:#ffff00;font-
            family:Ariel;font-size:18px">
              This is inline style sheet
            </h1>
  </body>
</html>
```

Output:

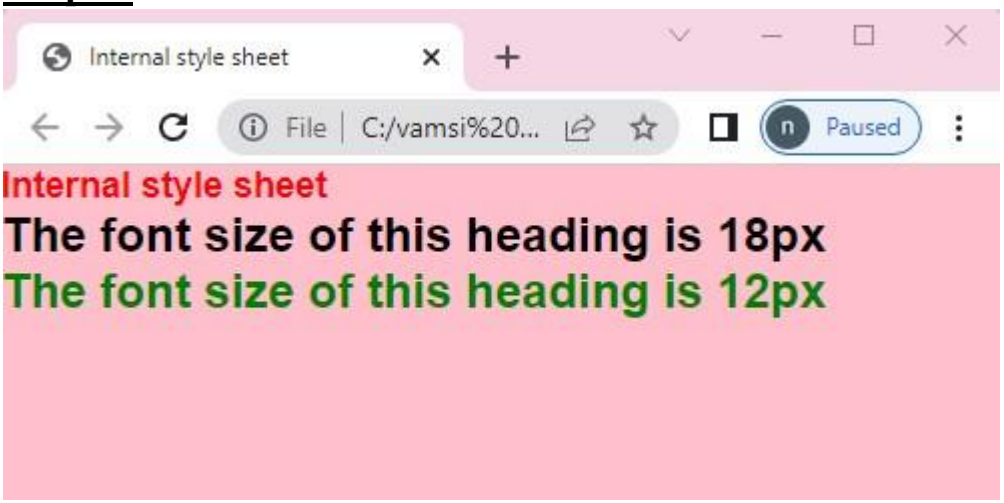

Inline style sheet
File | C:/vamsi%20...
Paused
Inline style sheet
The font size of this heading is 18px
The font size of this heading is 12px
This is inline style sheet

a. Internal style

Source code:

```
<!DOCTYPE html>
 <html>
  <head>
   <title>Internal style sheet</title>
        <style>
        *{
         margin:0;
         }
         body{
                        background-color:pink;
                         font-family:sans-serif;
                }
          h1{
                        font-size:18px;
                         color:red;
                }
          p{
          font-size=12px;
           color:green;
          }
           </style>
 </head>
  <body>
                <h1>Internal style sheet</h1>
           <h2>The font size of this heading is 18px<h2>
                <p>The font size of this heading is 12px<p>
        </body>
</html>
```

Output:


Internal style sheet
File | C:/vamsi%20...
Paused
Internal style sheet
The font size of this heading is 18px
The font size of this heading is 12px

b. External sheet

Link :

Source code:

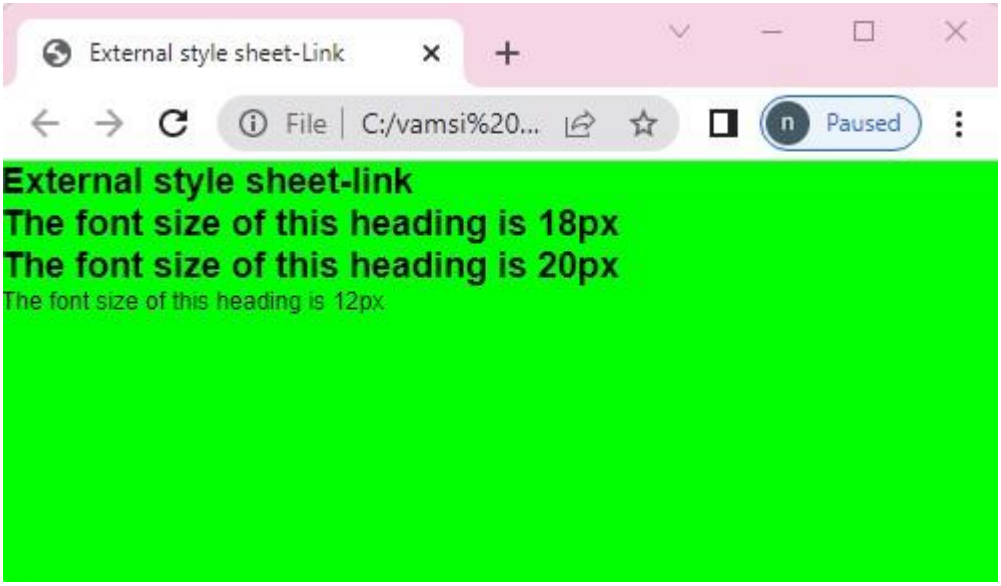
```
<!DOCTYPE html>
 <html>
  <head>
    <title>External style sheet-import</title>
          <style type="text/css">
    @import url("externalstylesheet.css");
          </style>
  </head>
  <body>
          <h1>External style sheet-import</h1>
          <h1>The font size of this heading is 18px</h1>
          <p>The font size of this heading is 12px</p>
  </body>
</html>
```

externalstylesheet.css

```
*{
  margin:0;
 }
body
   {
          color:#000000;
          background-color:#00ff00;
           font-family:sans-serif;
   }
h1
 {
  font-size:18px;
 }
p
 {
  font-size:12px;

 }
```

Output:


External style sheet-Link
File | C:/vamsi%20...
Paused
External style sheet-link
The font size of this heading is 18px
The font size of this heading is 20px
The font size of this heading is 12px

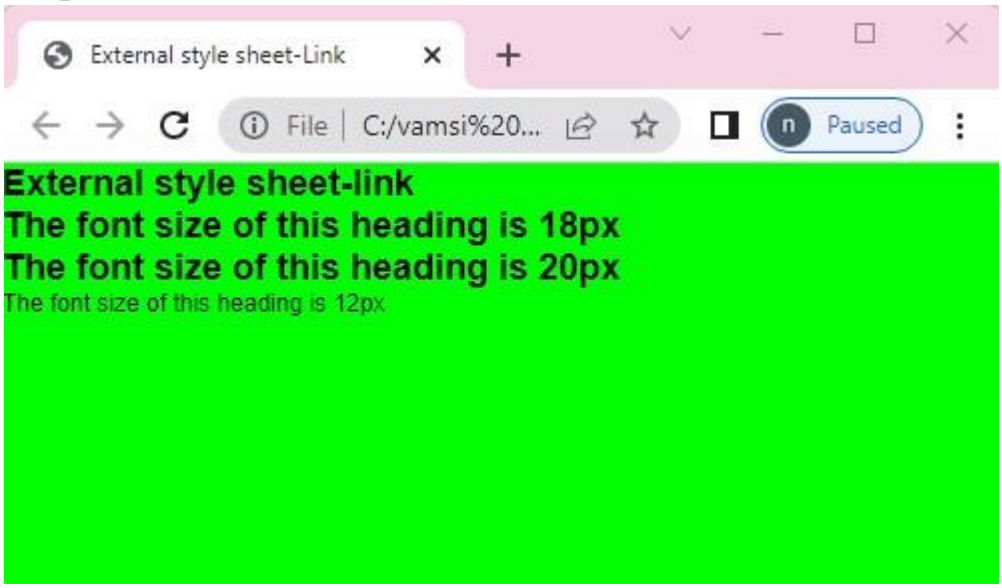
Import:

```
<!DOCTYPE html>
 <html>
  <head>
    <title>External style sheet-import</title>
    @import url("externalstylesheetcss.css");
  </head>
  <body>
          <h1>External style sheet-import</h1>
          <h1>The font size of this heading is 18px</h1>
          <p>The font size of this heading is 12px</p>
  </body>
</html>
```

externalstylesheet.css

```
*{
  margin:0;
 }
body
    {
          color:#000000;
          background-color:#00ff00;
           font-family:sans-serif;
   }
h1
 {
  font-size:18px;
 }
p
 {
  font-size:12px;
}
```

Output:


External style sheet-Link
File | C:/vamsi%20...
Paused
External style sheet-link
The font size of this heading is 18px
The font size of this heading is 20px
The font size of this heading is 12px

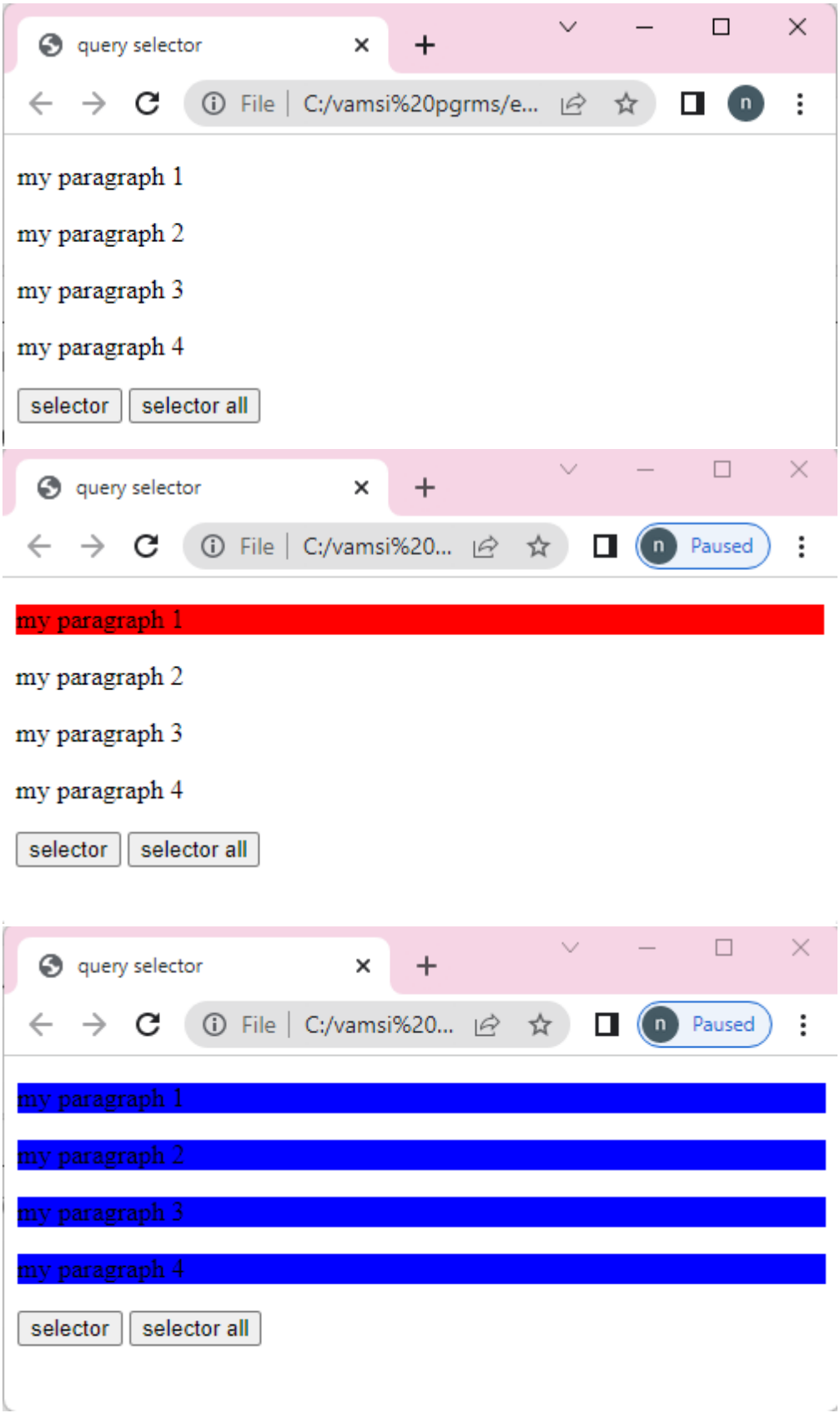
Experiment: 4 b) **Date:**

Aim: Demonstrate Query selector in CSS

Source code:

```
<!DOCTYPE html>
<html>
  <head>
   <title>query selector</title>
    <script type="text/javascript">
          function changecss()
          {
            document.querySelector("p").style.background="red";
          }
          function changecssall()
          {
            list=document.querySelectorAll("p");
                for(var i=0;i<list.length;i++)
                {
                  list[i].style.background="blue";
                }
          }
     </script>
   </head>
  <body>
    <p>my paragraph 1</p>
    <p>my paragraph 2</p>
    <p>my paragraph 3</p>
    <p>my paragraph 4</p>
          <button onclick="changecss()">selector</button>
          <button onclick="changecssall()">selector all</button>
  </body>
</html>
```

Output:


query selector
File | C:/vamsi%20pgrms/e...
my paragraph 1
my paragraph 2
my paragraph 3
my paragraph 4
selector
selector all
query selector
File | C:/vamsi%20...
Paused
my paragraph 1
my paragraph 2
my paragraph 3
my paragraph 4
selector
selector all
query selector
File | C:/vamsi%20...
Paused
my paragraph 1
my paragraph 2
my paragraph 3
my paragraph 4
selector
selector all

Experiment: 5 a **Date:**

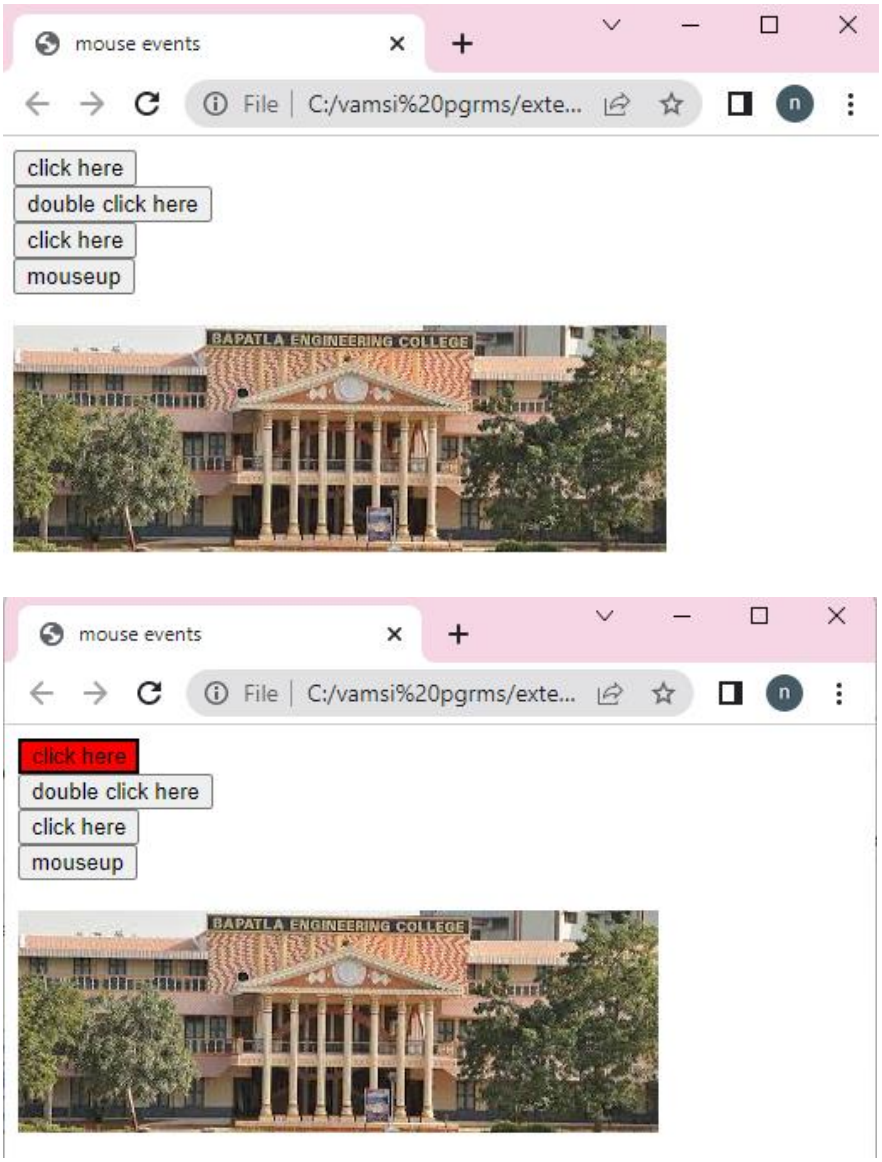
Aim: a java script to demonstrate mouse event

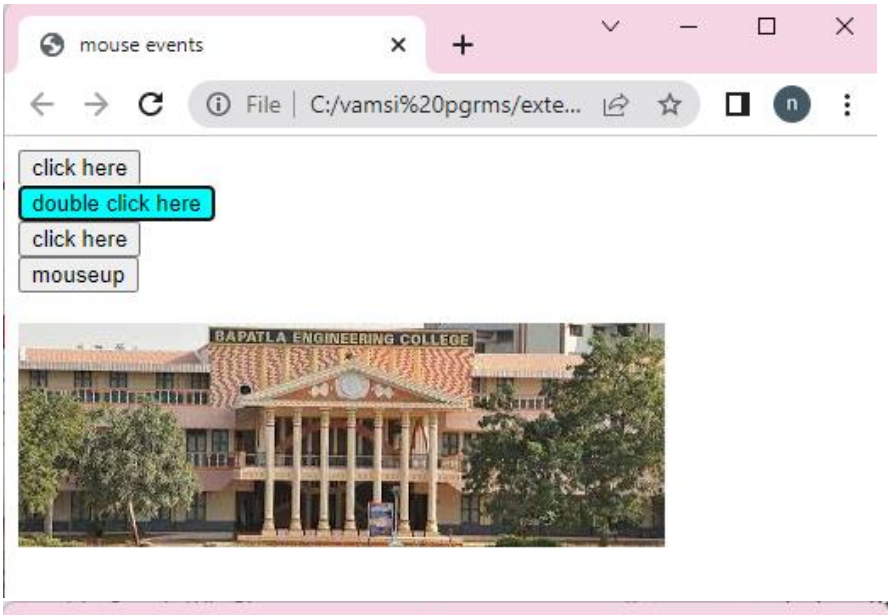
Source code:

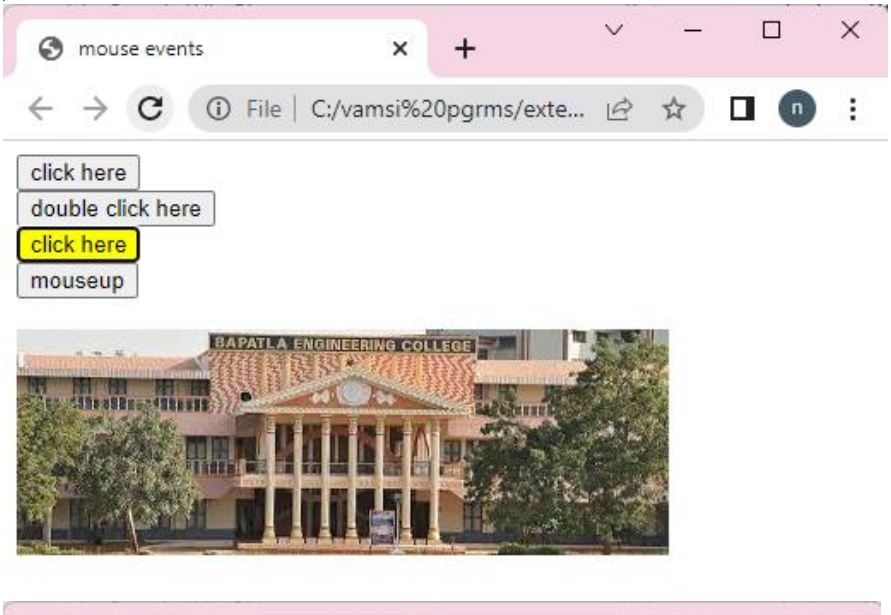
```
<!DOCTYPE html>
<html>
  <head>
    <title>mouse events</title>
    <style>
      div{
        border:2px;
      }
    </style>
    <script>
      function msg()
      {
        document.getElementById("button").style.backgroundColor="red";
      }
      function dbmsg()
      {
        document.getElementById("dbclick").style.backgroundColor="cyan";
      }
      function mousedown()
      {
        document.getElementById("down").style.backgroundColor="yellow";
      }
      function imgover()
      {
        document.getElementById("img").style.height="300px";
        document.getElementById("img").style.width="300px";
      }
      function imgout()
      {
        document.getElementById("img").style.height="100px";
        document.getElementById("img").style.width="100px";
      }
      function imgmove()
      {
        document.getElementById("img").style.height="100px";
        document.getElementById("img").style.width="100px";
        document.getElementById("img").style.backgroundColor="cyan";
      }
      function up()
      {
        document.getElementById("up").style.backgroundColor="red";
```

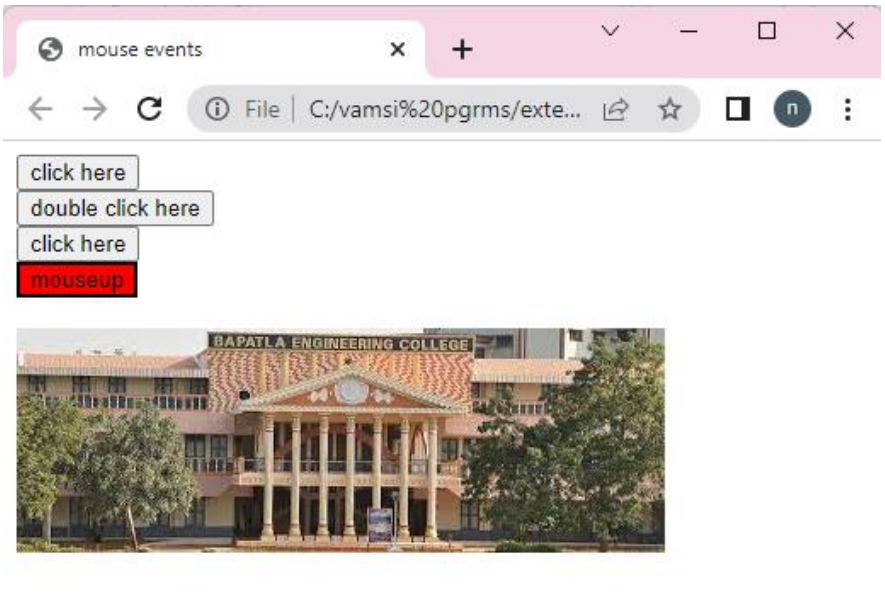
```
            document.getElementById("up").innerHTML="mouseup";
          }
        </script>
      </head>
      <body>
        <button id="button" onclick="msg()">click here</button><br>
        <button id="dbclick" ondblclick="dbmsg()">double click here</button><br>
        <button id="down" onmousedown="mousedown()">click
        here</button><br>
        <button id="up" onmouseup="up()">mouseup</button><br><br>
        <img id="img"src="bec.jpg" onmouseover="imgover()"
        onmouseout="imgout()">
      </body>
    </html>
```

Output:


mouse events
File | C:/vamsi%20pgrms/exte...
click here
double click here
click here
mouseup
BAPATLA ENGINEERING COLLEGE
mouse events
File | C:/vamsi%20pgrms/exte...
click here
double click here
click here
mouseup
BAPATLA ENGINEERING COLLEGE


mouse events
File | C:/vamsi%20pgrms/exte...
click here
double click here
click here
mouseup
BAPATLA ENGINEERING COLLEGE


mouse events
File | C:/vamsi%20pgrms/exte...
click here
double click here
click here
mouseup
BAPATLA ENGINEERING COLLEGE


mouse events
File | C:/vamsi%20pgrms/exte...
click here
double click here
click here
mouseup
BAPATLA ENGINEERING COLLEGE

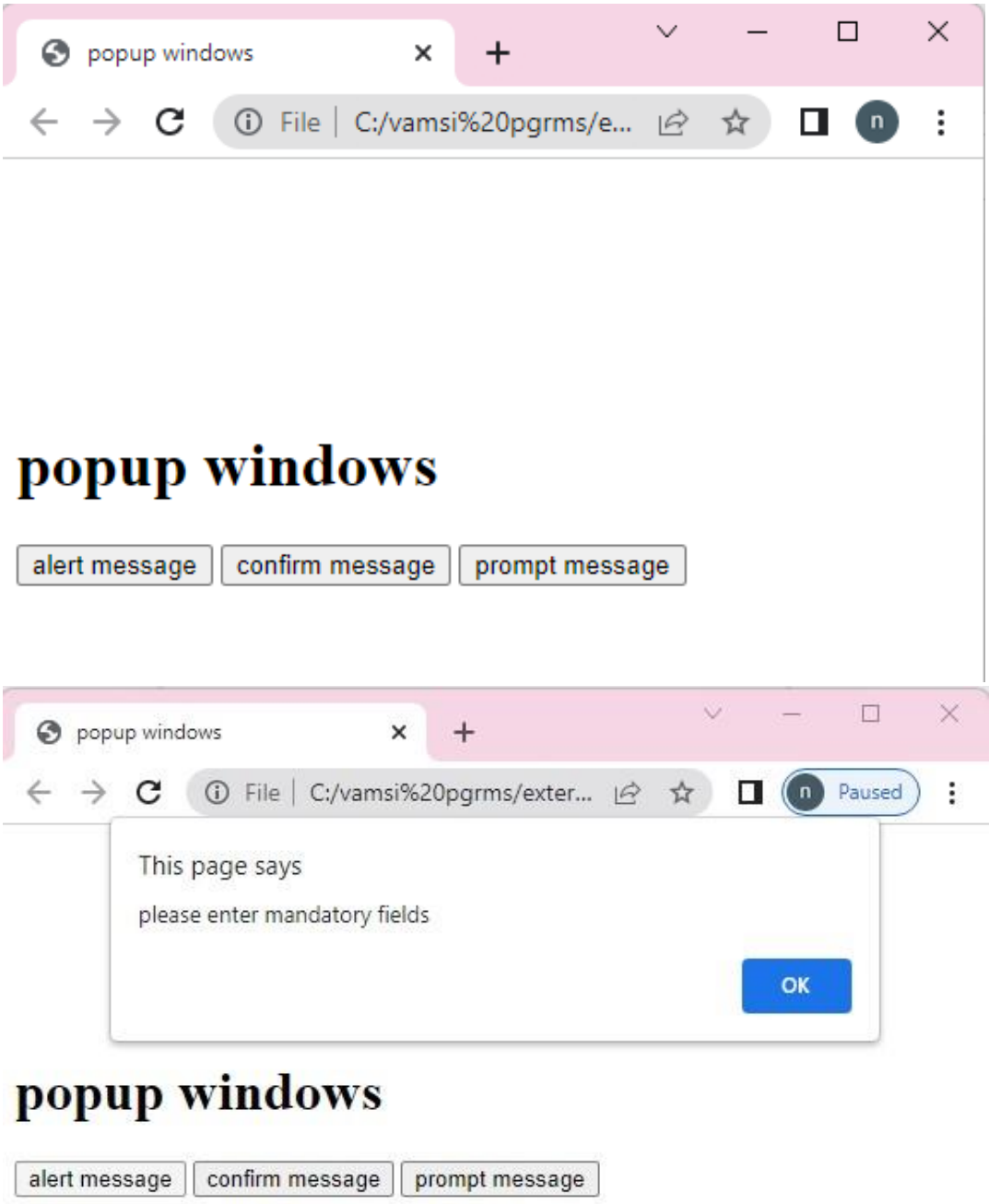
Experiment: 5 b) **Date:**

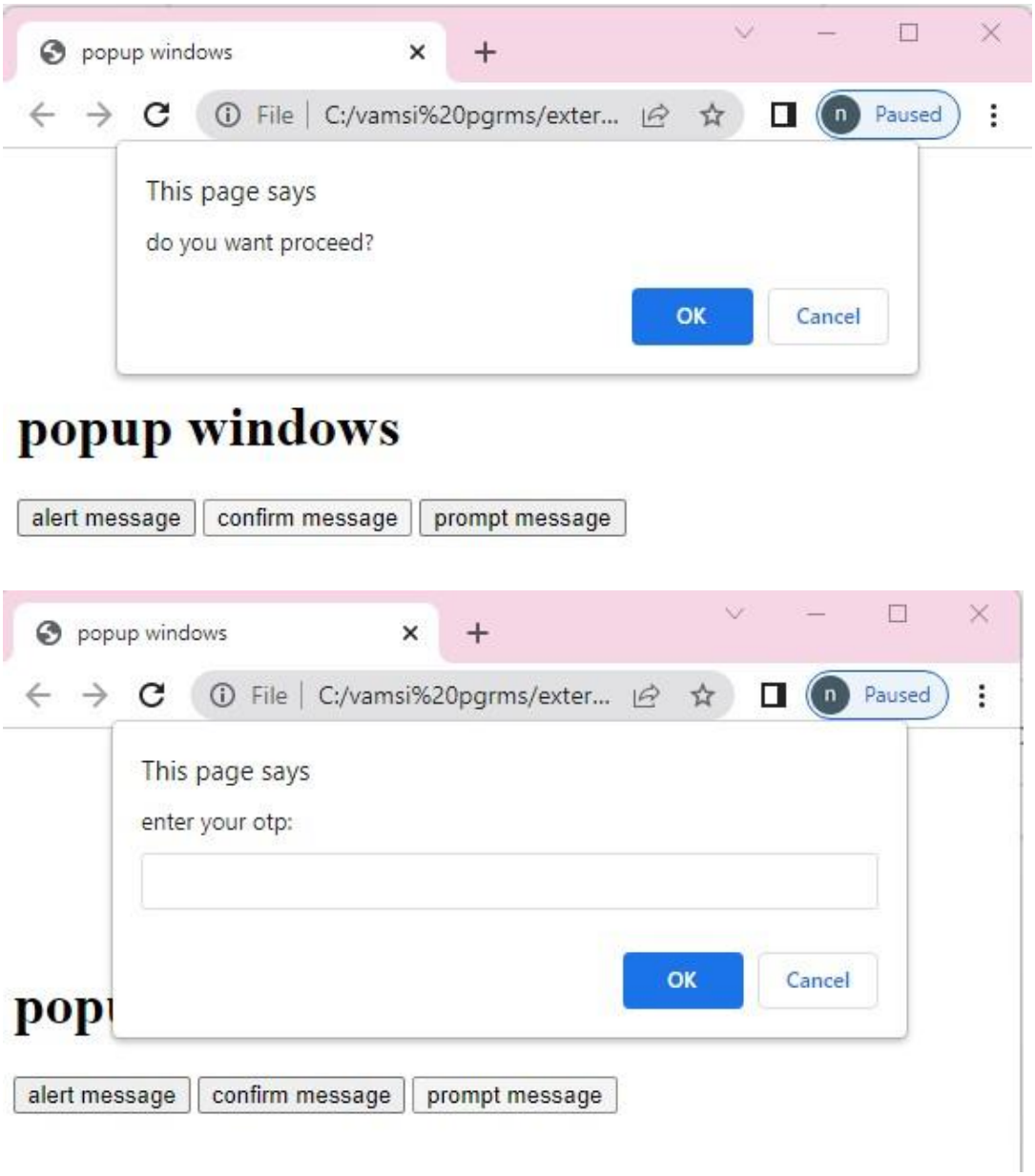
Aim: a java script to demonstrate popup boxes

Source code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>popup windows</title>
      <script type="text/javascript">
      var v;
      function alertmsg()
      {
        alert("please enter mandatory fields");
      }
      function confirmmsg()
      {
        v=confirm("do you want proceed? ");
      }
      function promptmsg()
      {
        v=prompt("enter your otp:");
        document.write("your otp: "+v);
      }
    </script>
  </head>
  <body>
      <br><br><br><br><br><br>
      <h1>popup windows</h1>
       <input type="submit" value="alert message" onclick="alertmsg()">
      <input type="submit" value="confirm message"
      onclick="confirmmsg()">
      <input type="submit" value="prompt message"
      onclick="promptmsg()">
  </body>
</html>
```

Output:


popup windows
File | C:/vamsi%20pgrms/e...
popup windows
alert message
confirm message
prompt message
popup windows
File | C:/vamsi%20pgrms/exter...
Paused
This page says
please enter mandatory fields
OK
popup windows
alert message
confirm message
prompt message


popup windows
File | C:/vamsi%20pgrms/exter...
Paused
This page says
do you want proceed?
OK
Cancel
popup windows
alert message
confirm message
prompt message

popup windows
File | C:/vamsi%20pgrms/exter...
Paused
This page says
enter your otp:
OK
Cancel
alert message
confirm message
prompt message

Experiment: 5 c) **Date:**

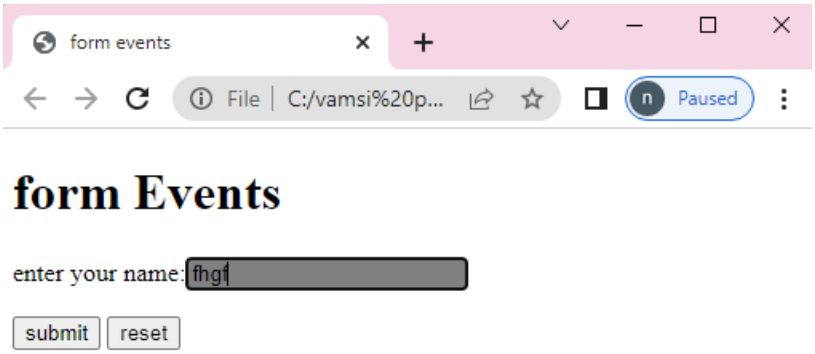
Aim: a java script to demonstrate form event

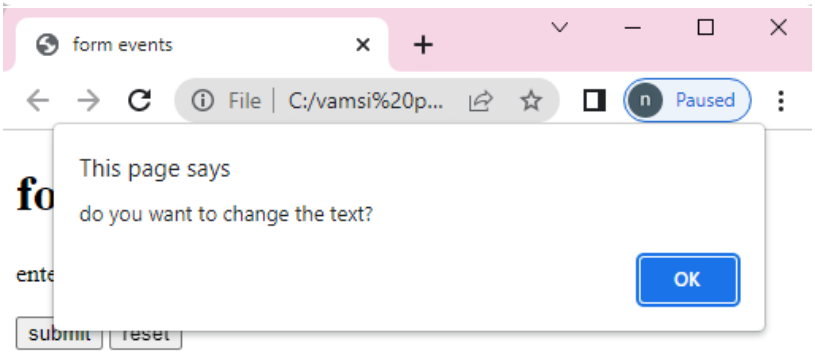
Source code:

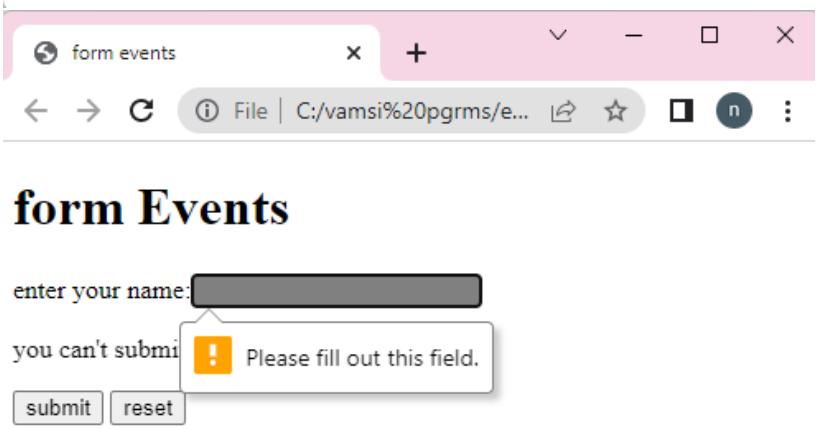
```
<!DOCTYPE html>
<html>
    <head>
      <title>form events</title>
            <script type="text/javascript">
            function inpfocus()
            {
             document.getElementById("uname").style.background="gray";
            }
            function inpblur()
            {
             document.getElementById("uname").style.background="skyblue";
            }
            function  inpselect()
            {
              alert("you are selecting the text");
            }
            function  inpsearch()
            {
              prompt("you are searching for something");
            }
            function  inpchange()
            {
              alert("do you want to change the text?");
            }
            function  inpinvalid()
            {
              document.getElementById("msg").innerHTML="you can't submit
                    the form";
            }
            function  inpsubmit()
            {
              alert("you are submiting the form");
            }
            function  inpreset()
            {
              confirm("you are reseting the content");
            }
            </script>
    </head>
    <body>
```

```
<h1>form Events</h1>
<form onsubmit="inpsubmit()" onreset="inpreset()">
    enter your name:
    <input id="uname" type="text" onfocus="inpfocus()"
    onblur="inpblur()" oninvalid=" inpinvalid()"  required
    onselect="inpselect()" onchange="inpchange()"><br>
    <p id="msg"></p>
    <input type="submit" value="submit">
    <input type="reset" value="reset">
</form>
</body>
</html>
```

Output:


form events
File | C:/vamsi%20p...
Paused
form Events
enter your name:fhgf
submit
reset


form events
File | C:/vamsi%20p...
Paused
This page says
do you want to change the text?
OK
submit
reset


form events
File | C:/vamsi%20pgrms/e...
form Events
enter your name:
you can't submi
Please fill out this field.
submit
reset

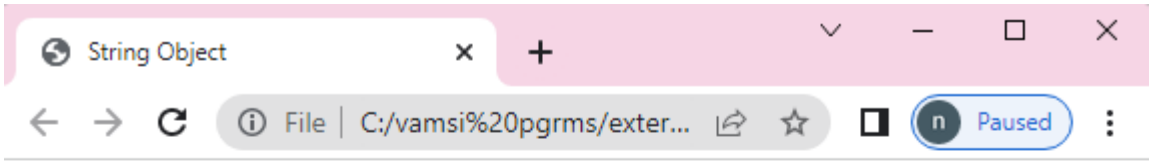
Experiment: 6 a) **Date:**

Aim: a java script to demonstrate string object

Source code:

```
<!DOCTYPE html>
<html>
    <head>
        <title> String Object</title>
    </head>
    <body>
        <script type="text/javascript">
            document.write("<h2> methods in String Objects </h2>");
            var str = "welcome to html5";
            var str1 = "welcome to js";
            document.write("Length of str:" + str.length);
            document.write("<br>Character at 5 position:" + str.charAt(5));
            document.write("<br>Concat str & str1:" + str.concat(str1));
            document.write("<br>Index of 'm' in str:" + str.indexOf('m'));
            document.write("<br> last Index of 'm' in str:" +
            str.lastIndexOf('m'));
            document.write("<br>Replace html5 to HTML5 in str:" +
            str.replace("html5", "HTML5"));
            document.write("<br>slice the test from 0-7 in str:" +
            str.slice(0, 7));
            document.write("<br>split the str based on space:" +
            str.split(""));
            document.write("<br>Upper case of str text:" +
            str.toUpperCase());
            document.write("<br>lower case of str text:" +
            str.toLowerCase());
            document.write("<h2> Wrapper methods in String Objects
            </h2>");
            document.write("small text:" + str.small());
            document.write("<br>Big text:" + str.big());
            document.write("<br>Bold text:" + str.bold());
            document.write("<br>Font color:" + str.fontcolor("blue"));
            document.write("<br>Font size:" + str.fontsize("15px"));
            document.write("<br>Italic text:" + str.italics());
            document.write("<br>strike-out text:" + str.strike());
            document.write("<br>subscript:" + str.sub());
            document.write("<br>supscript:" + str.sup());
            document.write("<br>Text Blink:" + str.blink());
        </script>
    </body>
</html>
```

Output:



methods in String Objects

Length of str:16
Character at 5 position:m
Concat str & str1:welcome to html5welcome to js
Index of 'm' in str:5
last Index of 'm' in str:13
Replace Munawar to Madhu in str:welcome to HTML5
slice the test from 0-7 in str:welcome
split the str based on space:welcome,to,html5
Upper case of str text:WELCOME TO HTML5
lower case of str text:welcome to html5

Wrapper methods in String Objects

small text:welcome to html5
Big text:welcome to html5
Bold text:**welcome to html5**
Font color:welcome to html5
Font size:welcome to html5
Italic text:*welcome to html5*
Link:welcome to html5
strike-out text:~~welcome to html5~~
subscript:welcome to html5
supscript:welcome to html5
Text Blink:welcome to html5

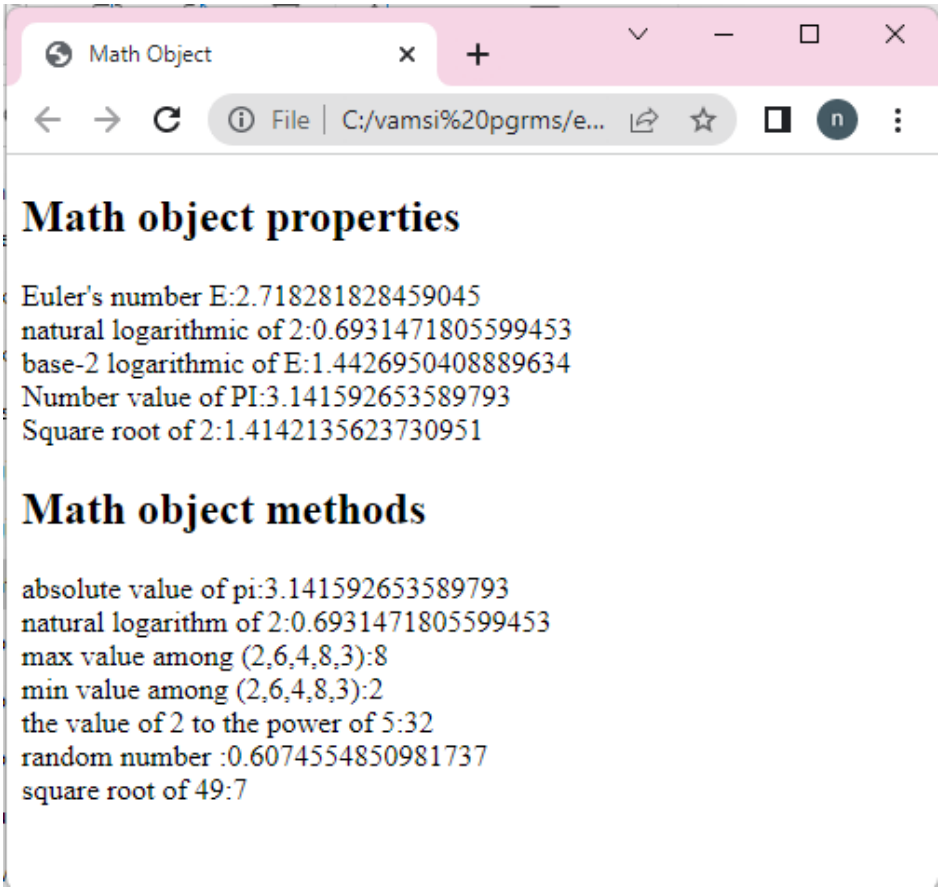
Experiment: 6 b) **Date:**

Aim: a java script to demonstrate math event

Source code:

```
<!DOCTYPE html>
<html>
    <head>
        <title> Math Object</title>
    </head>
    <body>
        <script type="text/javascript">
            document.write("<h2>Math object properties</h2>");
            document.write("Euler's number E:" + Math.E);
            document.write("<br>natural logarithmic of 2:" + Math.LN2);
            document.write("<br>base-2 logarithmic of E:" +
            Math.LOG2E);
            document.write("<br>Number value of PI:" + Math.PI);
            document.write("<br> Square root of 2:" + Math.SQRT2);
            document.write("<h2>Math object methods</h2>");
            document.write("absolute value of pi:" + Math.abs(Math.PI));
            document.write("<br>natural logarithm of 2:" + Math.log(2));
            document.write("<br>max value among (2,6,4,8,3):" +
            Math.max(2,6,4,8,3));
            document.write("<br>min value among (2,6,4,8,3):" +
            Math.min(2,6,4,8,3));
            document.write("<br>the value of 2 to the power of 5:" +
            Math.pow(2, 5));
            document.write("<br>random number :" + Math.random());
            document.write("<br>square root of 49:" + Math.sqrt(49));
        </script>
    </body>
</html>
```

Output:


Math Object
File | C:/vamsi%20pgrms/e...
Math object properties
Euler's number E:2.718281828459045
natural logarithmic of 2:0.6931471805599453
base-2 logarithmic of E:1.4426950408889634
Number value of PI:3.141592653589793
Square root of 2:1.4142135623730951
Math object methods
absolute value of pi:3.141592653589793
natural logarithm of 2:0.6931471805599453
max value among (2,6,4,8,3):8
min value among (2,6,4,8,3):2
the value of 2 to the power of 5:32
random number :0.6074554850981737
square root of 49:7

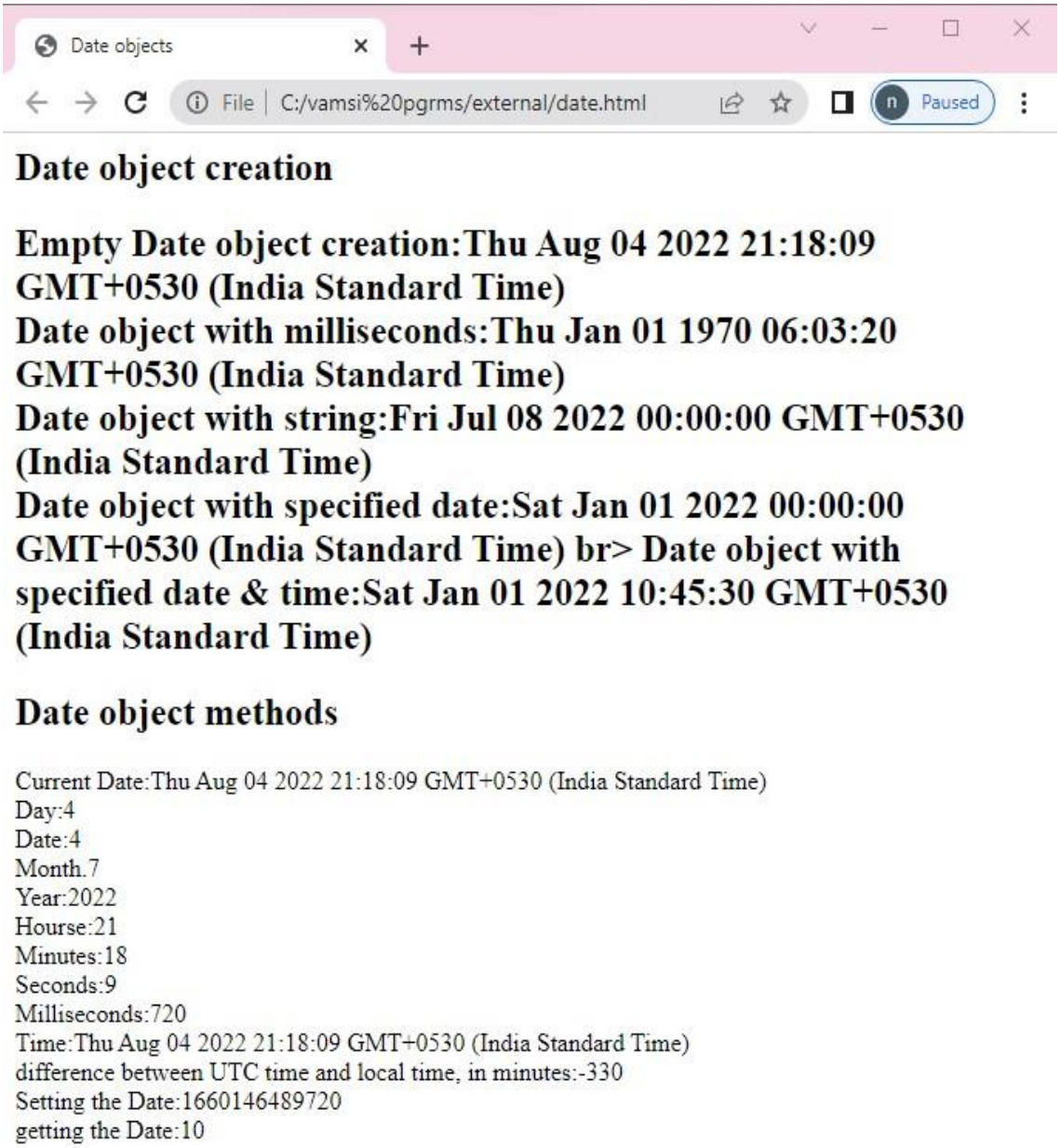
Experiment: 6 c) **Date:**

Aim: a java script to demonstrate date event

Source code:

```
<!DOCTYPE htm|>
<html>
    <head>
      <title> Date objects</title>
    </head>
    <body>
     <script type="text/javascript">
       var d1= new Date();
       var d2=new Date(2000000);
       var d3=new Date("july 08,2022");
       var d4=new Date(2022,00,01);
       var d5=new Date(2022,00,01,10,45,30);
       document.write("<h2>Date object creation</h2>");
       document.write("Empty Date object creation:"+d1);
       document.write("<br>Date object with milliseconds:"+d2);
       document.write("<br>Date object with string:"+d3);
       document.write("<br>Date object with specified date:"+d4);
       document.write(" br> Date object with specified date & time:"+d5);
       document.write("<h2>Date object methods</h2>");
       document.write("Current Date:"+Date(d1.valueOf()));
       document.write("<br>Day:"+d1.getDay());
       document.write("<br>Date:"+d1.getDate());
       document.write("<br>Month."+d1.getMonth());
       document.write("<br>Year:"+d1.getFullYear());
       document.write("<br>Hourse:"+d1.getHours());
       document.write("<br>Minutes:"+d1.getMinutes());
       document.write("<br>Seconds:"+d1.getSeconds());
       document.write("<br>Milliseconds:"+d1.getMilliseconds());
       document.write("<br>Time:"+Date(d1.getTime()));
       document.write("<br>difference between UTC time and
            local time, in minutes:"+d1.getTimezoneOffset());
       document.write("<br>Setting the Date:"+d1.setDate(10));
       document.write("<br>getting the Date:"+d1.getDate());
     </script>
    </body>
</html>
```

Output:


Date objects
File | C:/vamsi%20pgrms/external/date.html
Paused
Date object creation
Empty Date object creation:Thu Aug 04 2022 21:18:09 GMT+0530 (India Standard Time)
Date object with milliseconds:Thu Jan 01 1970 06:03:20 GMT+0530 (India Standard Time)
Date object with string:Fri Jul 08 2022 00:00:00 GMT+0530 (India Standard Time)
Date object with specified date:Sat Jan 01 2022 00:00:00 GMT+0530 (India Standard Time) br> Date object with specified date & time:Sat Jan 01 2022 10:45:30 GMT+0530 (India Standard Time)
Date object methods
Current Date:Thu Aug 04 2022 21:18:09 GMT+0530 (India Standard Time)
Day:4
Date:4
Month.7
Year:2022
Hourse:21
Minutes:18
Seconds:9
Milliseconds:720
Time:Thu Aug 04 2022 21:18:09 GMT+0530 (India Standard Time)
difference between UTC time and local time, in minutes:-330
Setting the Date:1660146489720
getting the Date:10

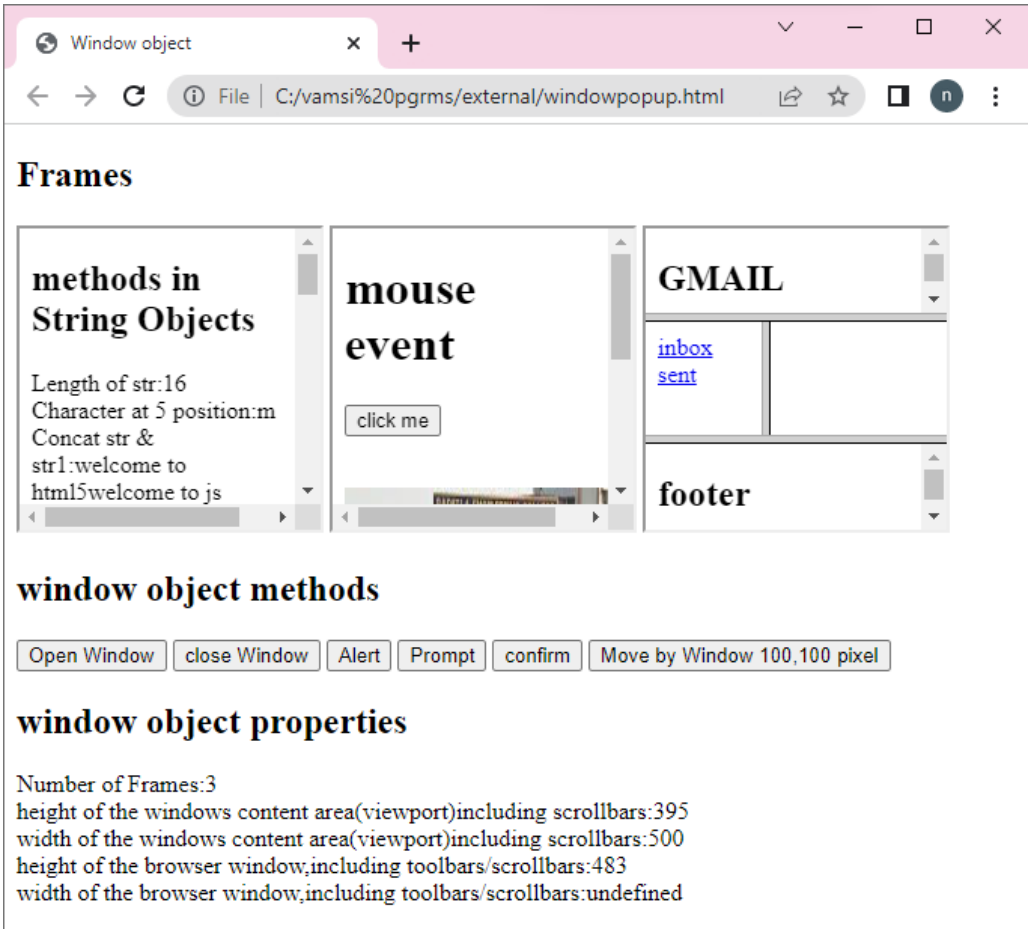
Experiment: 7 a) **Date:**

Aim: a java script to demonstrate window object

Source code:

```
<!DOCTYPE html>
<html>
    <head>
        <title>Window object</title>
    </head>
    <body>
        <h2>Frames</h2>
        <iframe src="stringobject.html" width="200" height="200"></iframe>
        <iframe src="mouse.html" width="200" height="200"></iframe>
        <iframe src="gmail.html" width="200" height="200"></iframe>
        <h2>window object methods</h2>
        <button id="but1" onclick="win=window.open()">Open
        Window</button>
        <button id="but1" onclick="win.close()">close Window</button>
        <button id="but1" onclick="window.alert('Alert Message')">
        Alert</button>
        <button id="but1" onclick="window.prompt('prompt Message)">
        Prompt</button>
        <button id="but1" onclick="window.confirm('confirm message')">
        confirm</button>
        <button id="but1" onclick="win.moveBy(100,100)">Move by
        Window 100,100 pixel</button>
        <h2>window object properties</h2>
        <script type="text/javascript">
            document.write("Number of Frames:" + window.length);
            document.write("<br>height of the windows content
            area(viewport)including scrollbars:" + window.innerHeight);
            document.write("<br>width of the windows content
            area(viewport)including scrollbars:" + window.innerWidth);
            document.write("<br>height of the browser window,including
            toolbars/scrollbars:" + window.outerHeight);
            document.write("<br>width of the browser window,including
            toolbars/scrollbars:" + window.outerWidtht);
        </script>
    </body>
</html>
```

Output:


Window object
File | C:/vamsi%20pgrms/external/windowpopup.html
Frames
methods in String Objects
Length of str:16
Character at 5 position:m
Concat str &
str1:welcome to
html5welcome to js
mouse event
click me
GMAIL
inbox
sent
footer
window object methods
Open Window
close Window
Alert
Prompt
confirm
Move by Window 100,100 pixel
window object properties
Number of Frames:3
height of the windows content area(viewport)including scrollbars:395
width of the windows content area(viewport)including scrollbars:500
height of the browser window,including toolbars/scrollbars:483
width of the browser window,including toolbars/scrollbars:undefined

Experiment: 7 b) **Date:**

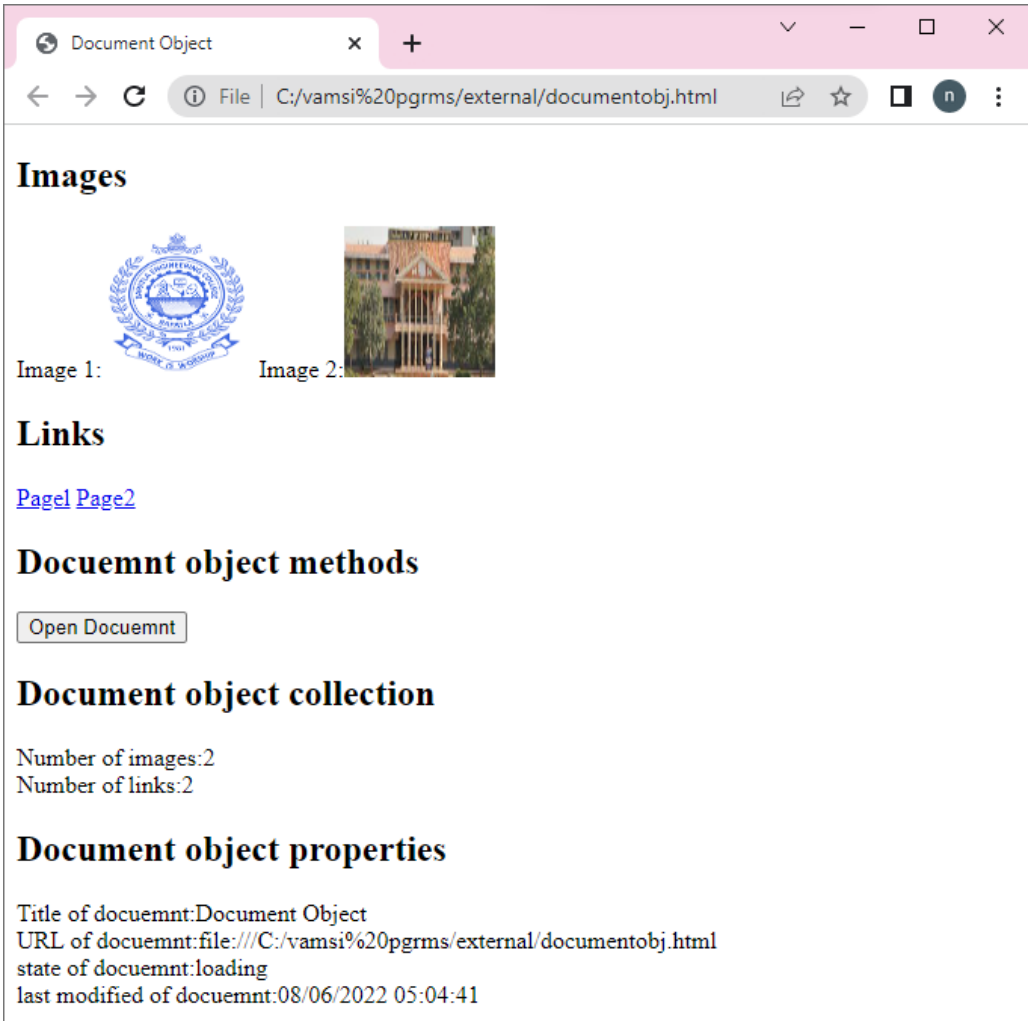
Aim: a java script to demonstrate document object

Source code:

```
<!DOCTYPE HTML>
<html>
    <head>
        <title>Document Object</title>
    </head>
    <body>
        <h2>Images</h2>
        Image 1:<img id="imgl" src="beclogo.png" width="100"
        height="100">
        Image 2:<img id="img2" src="ferrari.jpg" width="100" height="100">
        <h2>Links</h2>
        <a id="link1" href="mouseevent.html">Pagel</a>
        <a id="link2" href="formevents.html">Page2</a>
        <h2>Docuemnt object methods</h2>
        <button onclick="open_doc()">Open Docuemnt</button>
        <script type="text/javascript">
            document.write("<h2>Document object collection</h2>");
            document.write("Number of images:" +
            document.images.length );
            document.write("<br>Number of links:" +
            document.links.length);
            document.write("<h2>Document object properties</h2>");
            document.write("Title of docuemnt:" + document.title);
            document.write("<br>URL of docuemnt:" + document.URL);
            document.write("<br> state of docuemnt:" +
            document.readyState);
            document.write("<br>last modified of docuemnt:" +
            document.lastModified);

            function open_doc() {
                var mywindow = window.open();
                mywindow.document.open();
                mywindow.document.write("<h1>Welcome to
                document </h1>");
                mywindow.document.close();
            }
        </script>
    </body>
</html>
```

Output:


Document Object
File | C:/vamsi%20pgrms/external/documentobj.html
Images
Image 1:
Image 2:
Links
Pagel Page2
Docuemnt object methods
Open Docuemnt
Document object collection
Number of images:2
Number of links:2
Document object properties
Title of docuemnt:Document Object
URL of docuemnt:file:///C:/vamsi%20pgrms/external/documentobj.html
state of docuemnt:loading
last modified of docuemnt:08/06/2022 05:04:41

Experiment: 8 a) **Date:**

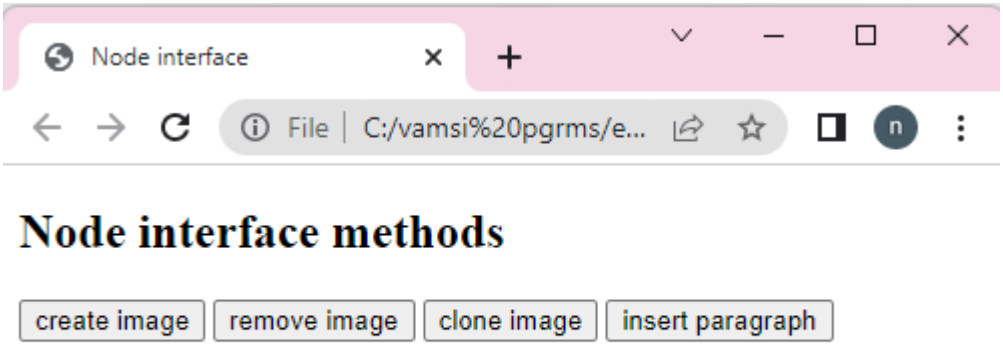
Aim: a java script to to create, delete, duplicate and insert a node using dom interface

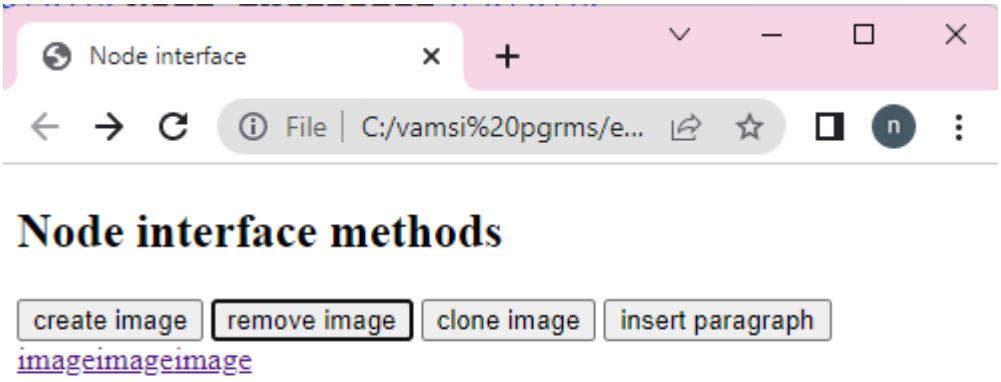
Source code:

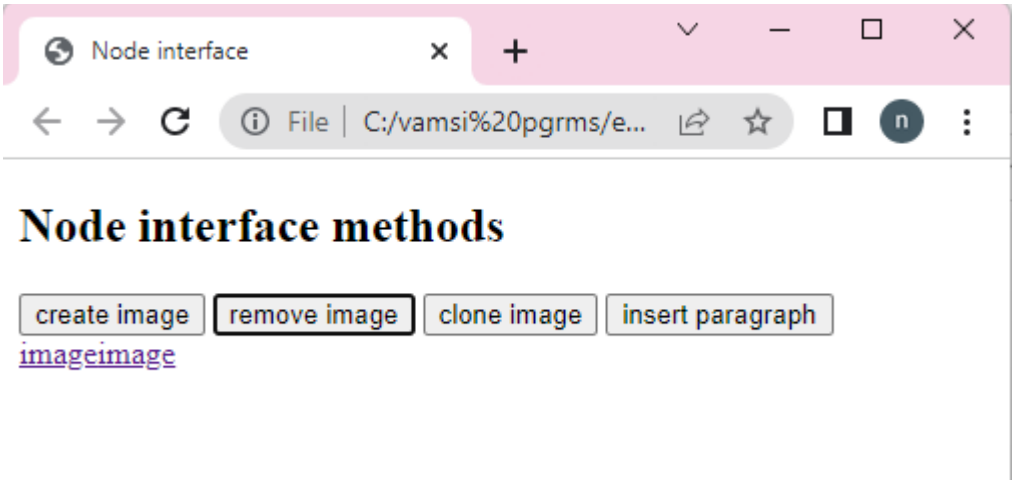
```
<!DOCTYPE html>
<html>
    <head>
        <title>Node interface</title>
        <script type="text/javascript">
            function create_node() {
                var img = document.createElement("a");
                img.setAttribute("id", "li");
                img.setAttribute("href", "bec.jpg");
                img.setAttribute("width", "100");
                img.setAttribute("height", "100");
                text = document.createTextNode("image");
                img.appendChild(text);
                document.body.appendChild(img);
            }
            function delete_node() {
                child = document.getElementById("li");
                document.body.removeChild(child);
            }
            function clone_node() {
                img = document.getElementById("li");
                c = img.cloneNode(true);
                document.body.appendChild(c);
            }
            function insert_node() {
                img = document.getElementById("ll");
                para = document.createElement("p");
                para.setAttribute("id", "p1");
                text = document.createTextNode("my paragraph");
                para.appendChild(text);
                document.body.insertBefore(para, img);
            }
        </script>
    </head>
    <body>
        <div id="d">
            <h2>Node interface methods</h2>
            <button onclick="create_node()">create image</button>
            <button onclick="delete_node()">remove image</button>
            <button onclick="clone_node()">clone image</button>
            <button onclick="insert_node()">insert paragraph</button>
```

```
            </div>
        </body>
    </html>
```

Output:


Node interface
File | C:/vamsi%20pgrms/e...
Node interface methods
create image
remove image
clone image
insert paragraph


Node interface
File | C:/vamsi%20pgrms/e...
Node interface methods
create image
remove image
clone image
insert paragraph
imageimageimage


Node interface
File | C:/vamsi%20pgrms/e...
Node interface methods
create image
remove image
clone image
insert paragraph
imageimage

Experiment: 8 b) **Date:**

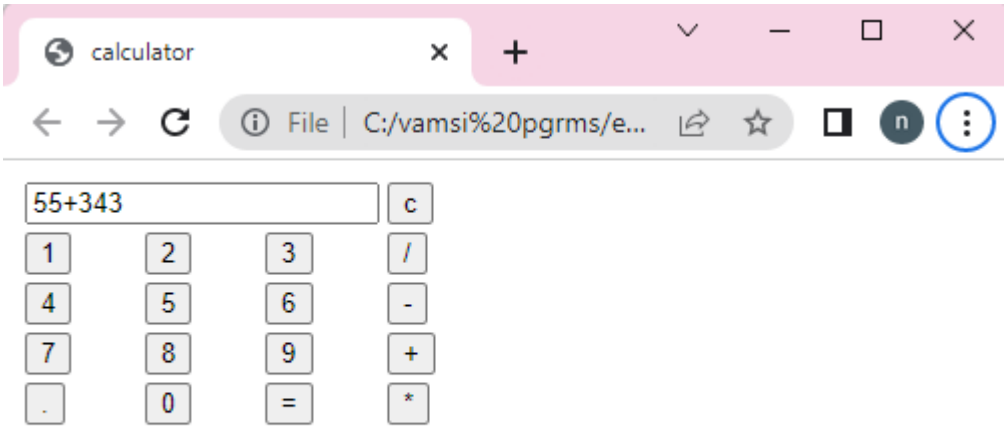
Aim: a java script to demonstrate calculator program

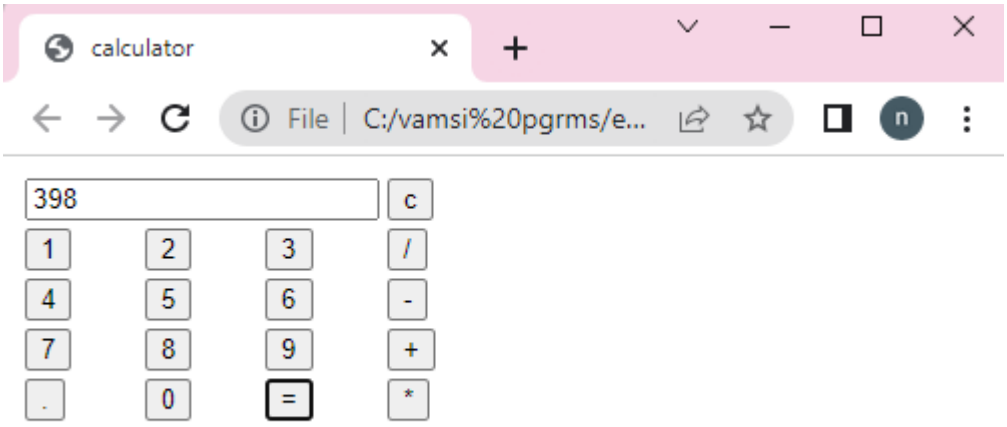
Source code:

```
<!DOCTYPE HTML>
<html>
<head>
   <title>calculator</title>
   <script type="text/javascript">
      function dis(val) {
         document.getElementById("result").value += val
      }
      function solve() {
         var x = document.getElementById("result").value
         var y = eval(x)
         document.getElementById("result").value = y
      }
      function clr() {
         document.getElementById("result").value = ""
      }
   </script>
</head>
<body>
   <table>
      <tr>
         <td colspan="3"><input type="text" id="result"></td>
         <td><input type="button" value="c" onclick="clr()" /> </td>
      </tr>
      <tr>
         <td><input type="button" value="1" onclick="dis('1')" /> </td>
         <td><input type="button" value="2" onclick="dis('2')" /> </td>
         <td><input type="button" value="3" onclick="dis('3')" /> </td>
         <td><input type="button" value="/" onclick="dis('/')" /> </td>
      </tr>
      <tr>
         <td><input type="button" value="4" onclick="dis('4')" /> </td>
         <td><input type="button" value="5" onclick="dis('5')" /> </td>
         <td><input type="button" value="6" onclick="dis('6')" /> </td>
         <td><input type="button" value="-" onclick="dis('-')" /> </td>
      </tr>
      <tr>
         <td><input type="button" value="7" onclick="dis('7')" /> </td>
         <td><input type="button" value="8" onclick="dis('8')" /> </td>
         <td><input type="button" value="9" onclick="dis('9')" /> </td>
         <td><input type="button" value="+" onclick="dis('+')" /> </td>
```

```
        </tr>
        <tr>
          <td><input type="button" value="." onclick="dis('.')" /> </td>
          <td><input type="button" value="0" onclick="dis('0')" /> </td>
          <td><input type="button" value="=" onclick="solve()" /> </td>
          <td><input type="button" value="*" onclick="dis('*')" /> </td>
        </tr>
      </table>
    </body>
    </html>
```

Output:


calculator
File | C:/vamsi%20pgrms/e...
55+343
c
1 2 3 /
4 5 6 -
7 8 9 +
. 0 = *


calculator
File | C:/vamsi%20pgrms/e...
398
c
1 2 3 /
4 5 6 -
7 8 9 +
. 0 = *

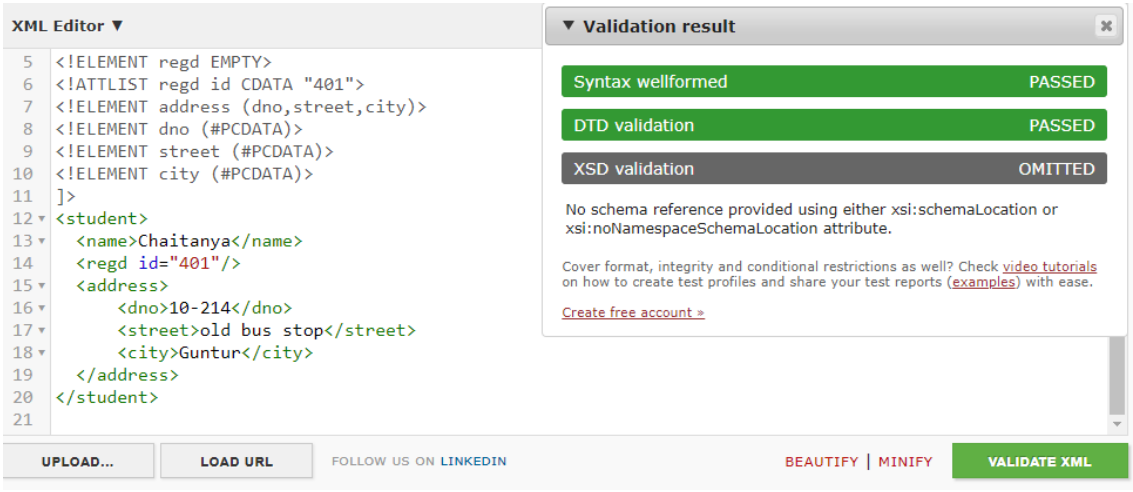
Experiment: 9) **Date:**

Aim: Write a EXPERIMENT to demonstrate Internal DTD

Source code:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE student[
   <!ELEMENT student (name,regd,address)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT regd EMPTY>
<!ATTLIST regd id CDATA "401">
<!ELEMENT address (dno,street,city)>
<!ELEMENT dno (#PCDATA)>
<!ELEMENT street (#PCDATA)>
<!ELEMENT city (#PCDATA)>
]>
<student>
  <name>Chaitanya</name>
  <regd id="401"/>
  <address>
     <dno>10-214</dno>
     <street>old bus stop</street>
     <city>Guntur</city>
  </address>
</student>
```

Output:


XML Editor ▼
5 <!ELEMENT regd EMPTY>
6 <!ATTLIST regd id CDATA "401">
7 <!ELEMENT address (dno,street,city)>
8 <!ELEMENT dno (#PCDATA)>
9 <!ELEMENT street (#PCDATA)>
10 <!ELEMENT city (#PCDATA)>
11]>
12 <student>
13 <name>Chaitanya</name>
14 <regd id="401"/>
15 <address>
16 <dno>10-214</dno>
17 <street>old bus stop</street>
18 <city>Guntur</city>
19 </address>
20 </student>
21
▼ Validation result
Syntax wellformed PASSED
DTD validation PASSED
XSD validation OMITTED
No schema reference provided using either xsi:schemaLocation or xsi:noNamespaceSchemaLocation attribute.
Cover format, integrity and conditional restrictions as well? Check video tutorials on how to create test profiles and share your test reports (examples) with ease.
Create free account »
UPLOAD...
LOAD URL
FOLLOW US ON LINKEDIN
BEAUTIFY | MINIFY
VALIDATE XML

EXPERIMENT-9 b) **DATE:**

Aim: Design a webpage to demonstrate the external DTD.

Source code:

XML fie:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE student SYSTEM "stu.dtd">
<student>
  <name>Chaitanya</name>
  <regd id="401"/>
  <address>
     <dno>10-214</dno>
     <street>old bus stop</street>
     <city>Guntur</city>
  </address>
</student>
```

DTD file:

```
<!ELEMENT student (name,regd,address)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT regd EMPTY>
<!ATTLIST regd id CDATA "420">
<!ELEMENT address (dno,street,city)>
<!ELEMENT dno (#PCDATA)>
<!ELEMENT street (#PCDATA)>
<!ELEMENT city (#PCDATA)>
```

Output:


<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE student SYSTEM "stu.dtd">
<student>
<name>Chaitanya</name>
<regd id="401"/>
<address>
<dno>10-214</dno>
<street>old bus stop</street>
<city>Guntur</city>
</address>
</student>
Validate
Document Valid

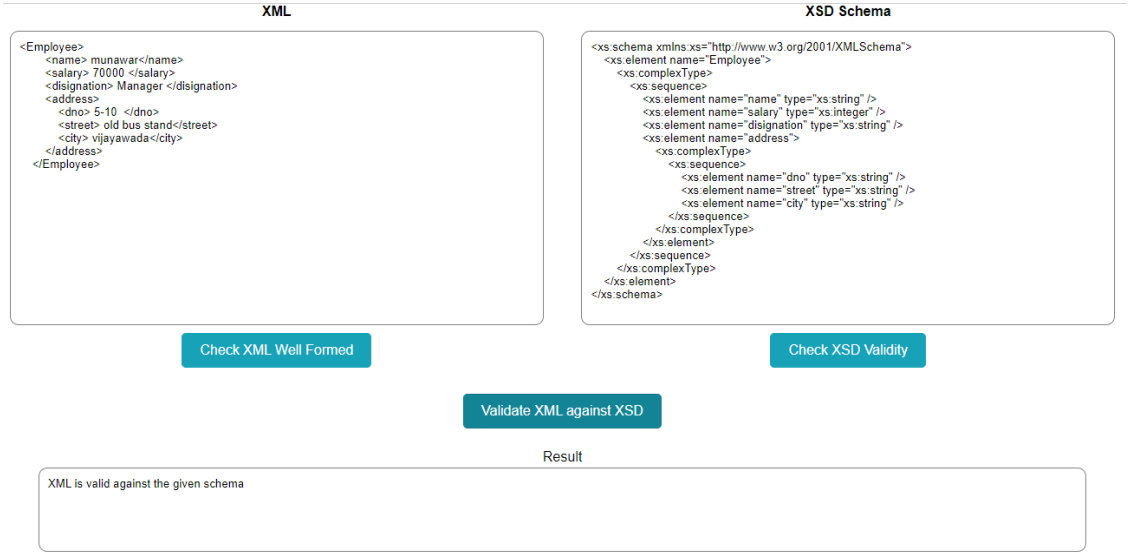
Experiment: 10) **Date:**

Aim: : Develop a XML file to store the student dataand validate using XSD

Source code:

```
<Employee>
      <name> chaitanya</name>
      <salary> 70000 </salary>
      <disignation> Manager </disignation>
      <address>
         <dno> 5-554  </dno>
         <street> old bus stand</street>
         <city> vijayawada</city>
      </address>
   </Employee>
Xsd code:
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:element name="Employee">
      <xs:complexType>
         <xs:sequence>
            <xs:element name="name" type="xs:string" />
            <xs:element name="salary" type="xs:integer" />
            <xs:element name="disignation" type="xs:string" />
            <xs:element name="address">
               <xs:complexType>
                  <xs:sequence>
                     <xs:element name="dno" type="xs:string" />
                     <xs:element name="street" type="xs:string" />
                     <xs:element name="city" type="xs:string" />
                  </xs:sequence>
               </xs:complexType>
            </xs:element>
         </xs:sequence>
      </xs:complexType>
   </xs:element>
</xs:schema>
```

Output:


XML
<Employee>
<name> munawar</name>
<salary> 70000 </salary>
<disignation> Manager </disignation>
<address>
<dno> 5-10 </dno>
<street> old bus stand</street>
<city> vijayawada</city>
</address>
</Employee>
XSD Schema
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
<xs:element name="Employee">
<xs:complexType>
<xs:sequence>
<xs:element name="name" type="xs:string" />
<xs:element name="salary" type="xs:integer" />
<xs:element name="disignation" type="xs:string" />
<xs:element name="address">
<xs:complexType>
<xs:sequence>
<xs:element name="dno" type="xs:string" />
<xs:element name="street" type="xs:string" />
<xs:element name="city" type="xs:string" />
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
Check XML Well Formed
Check XSD Validity
Validate XML against XSD
Result
XML is valid against the given schema