

Avanthi Degree & P.G College

Narayanaguda –Hyderabad



ESTD-1991

Department of Computer Science Certificate

This is to certify that Sri/Kum_____with Hall ticket number_____studying in **B. Sc III Year VI Semester** has successfully completed practical assignment in _____ for the academic year 2021-2022.

Internal Examiner

External Examiner

College Seal

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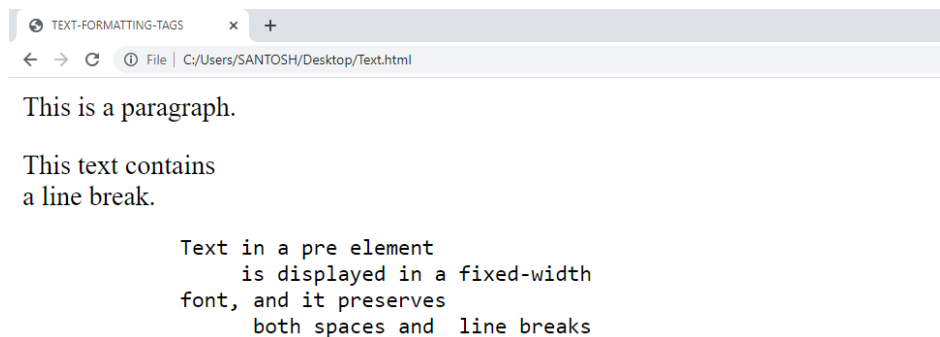
1. Write a HTML program using basic text formatting tags, <p>,
, <pre>.

```
<html>
  <head>
    <title>TEXT-FORMATTING-TAGS</title>
  </head>
  <body>

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

    This text contains<br>a line break.

    <pre>
      Text in a pre element
        is displayed in a fixed-width
        font, and it preserves
        both spaces and  line breaks
    </pre>
  </body>
</html>
```



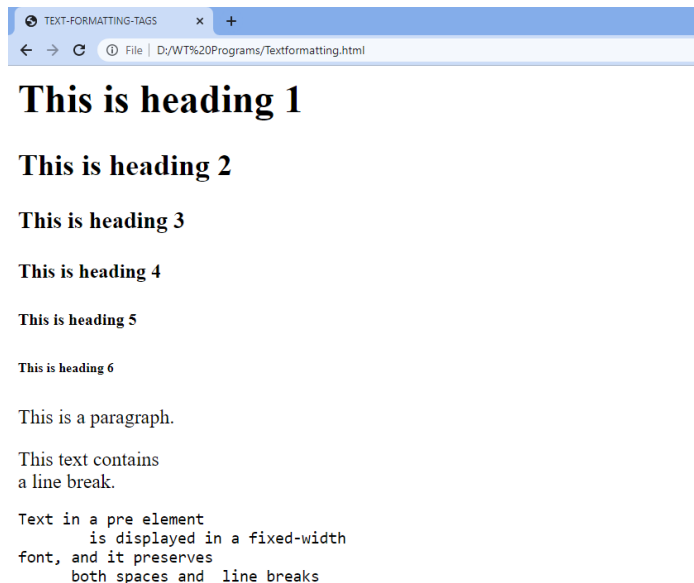
2. Write a HTML program by using text formatting tags.

```
<html>
  <head>
    <title>TEXT-FORMATTING-TAGS</title>
  </head>
  <body>
    <h1>This is heading 1</h1>
    <h2>This is heading 2</h2>
    <h3>This is heading 3</h3>
    <h4>This is heading 4</h4>
    <h5>This is heading 5</h5>
    <h6>This is heading 6</h6>

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

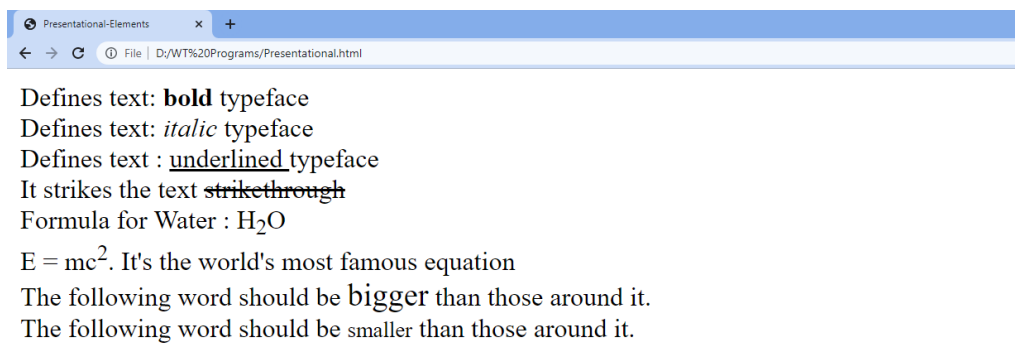
    This text contains<br>a line break.

    <pre>
      Text in a pre element
        is displayed in a fixed-width
        font, and it preserves
        both spaces and line breaks
    </pre>
  </body>
</html>
```



3. Write a HTML program using presentational element tags tags ``, `<i>`, `<strike>`, `<sup>`, `<sub>`, `<big>`, `<small>`, `<hr>`

```
<html>
  <head>
    <title>Presentational-Elements</title>
  </head>
  <body>
    Defines text: <b>bold </b> typeface <br>
    Defines text: <i>italic </i> typeface <br>
    Defines text : <u>underlined </u> typeface<br>
    It strikes the text <strike>striketrough </strike>
    <br>
    Formula for Water : H<sub>2</sub>O <br>
    E = mc<sup>2</sup>. It's the world's most famous equation
    <br>
    The following word should be <big>bigger</big> than
    those around it.<br>
    The following word should be <small>smaller</small> than
    those around it.<hr>
  </body>
</html>
```



4. Write a HTML program using phrase element tags <blockquote>, <cite>, <abbr>, <acronym>, <kbd>, <address>

```
<html>
<head>
<title>Phrase-Elements</title>
</head>
<body>
<p>Hover mouse over the HTML and see the abbreviation <br>
An <abbr title = "Hypertext Markup language">HTML
</abbr>language is used to create web pages. </p>
<blockquote cite="https://blog.kerridgecs.com/10-
                    inspirational-tech-quotes">
Technology is best when it brings people together
</blockquote>
    <cite>-Matt Mullenweg</cite> <br>
<p>Hover mouse over the content and see the acronym <br>
    <acronym title="Hypertext Markup Language"> HTML
</acronym></p>
To copy text, you can use the keyboard shortcut:
<code>Ctrl</code> + <code>c</code> <br>
<p>College Address :</p>
<address>
3-4-875/A/1, Barkatpura Bus Depot Road,
Barkatpura, Kachiguda, Hyderabad,
Telangana 500027 </address>
</body>
</html>
```



Hover mouse over the HTML and see the abbreviation
An HTML language is used to create web pages.

Technology is best when it brings people together

-Matt Mullenweg

Hover mouse over the content and see the acronym
HTML

To copy text, you can use the keyboard shortcut: **Ctrl + c**

College Address :

3-4-875/A/1, Barkatpura Bus Depot Road, Barkatpura, Kachiguda, Hyderabad, Telangana 500027

5. Write a HTML program using different list types.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Types of Lists</title>
  </head>
  <body>
    <h3> Here is an unordered list, which is just a bulleted
      list:</h3>
    <ul>
      <li>Bullet point number one</li>
      <li>Bullet point number two</li>
      <li>Bullet point number three</li>
    </ul>

    <h3>Here is an ordered list using numbers:</h3>
    <ol>
      <li>Point number one</li>
      <li>Point number two</li>
      <li>Point number three</li>
    </ol>

    <h3>Here is a definition list:</h3>
    <dl>
      <dt>Unordered List</dt>
      <dd>A list of bullet points.</dd>
      <dt>Ordered List</dt>
      <dd> An ordered list of points, such as a
        numbered set of steps.</dd>
      <dt>Definition List</dt>
      <dd>A list of terms and definitions.</dd>
    </dl>
  </body>
</html>
```



Here is an unordered list, which is just a bulleted list:

- Bullet point number one
- Bullet point number two
- Bullet point number three

Here is an ordered list using numbers:

1. Point number one
2. Point number two
3. Point number three

Here is a definition list:

Unordered List

A list of bullet points.

Ordered List

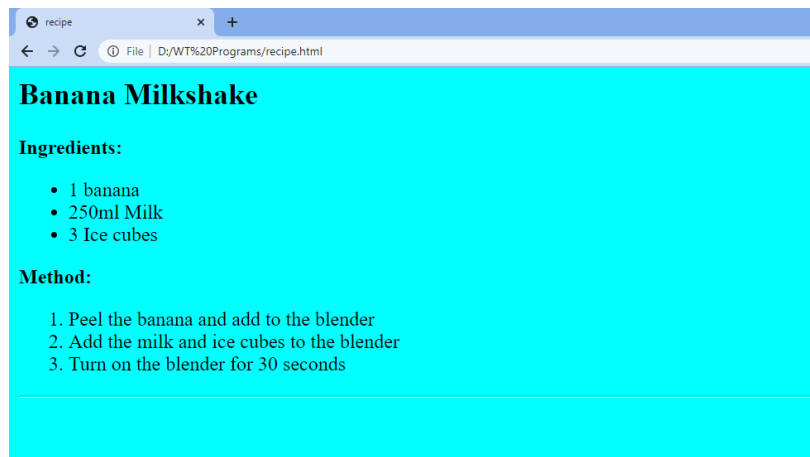
An ordered list of points, such as a numbered set of steps.

Definition List

A list of terms and definitions.

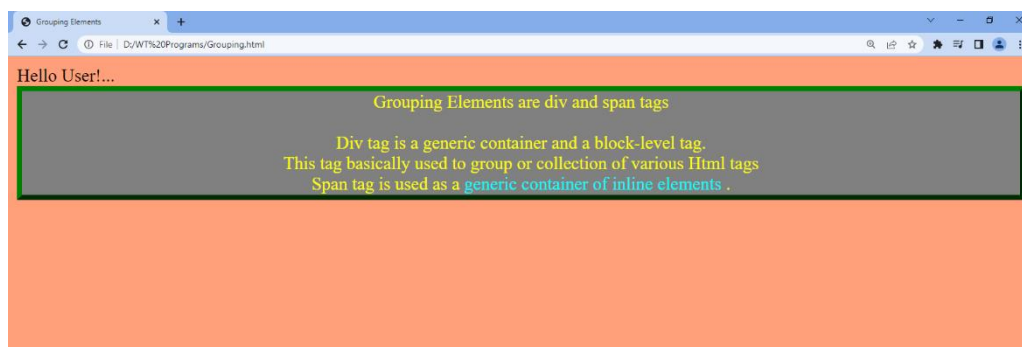
6. Create a HTML page that displays ingredients and instructions to prepare a recipe.

```
<html>
  <head>
    <title>recipe</title>
  </head>
  <body bgcolor= cyan>
    <h2>Banana Milkshake</h2>
    <b>Ingredients:</b>
    <ul>
      <li>1 banana</li>
      <li>250ml Milk</li>
      <li>3 Ice cubes</li>
    </ul>
    <b>Method:</b>
    <ol>
      <li>Peel the banana and add to the blender</li>
      <li>Add the milk and ice cubes to the blender</li>
      <li>Turn on the blender for 30 seconds</li>
    </ol>
    <hr>
  </body>
</html>
```



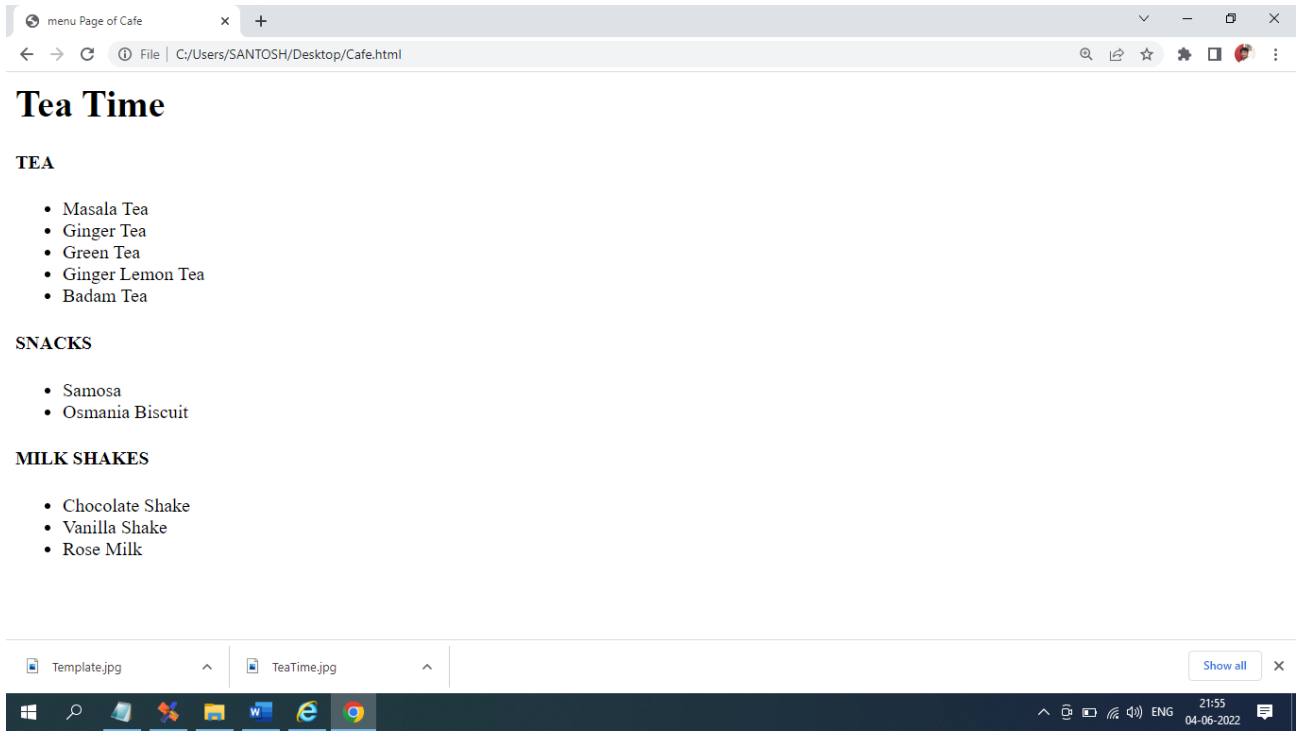
7. Write a HTML program using grouping elements <div> and .

```
<!Doctype html>
<html>
  <head>
    <title> Grouping Elements </title>
    <style>
      .Divclass
      {
        border: 5px outset green;
        background-color: gray;
        text-align: center;
        color: yellow;
      }
    </style>
  </head>
  <body bgcolor="LightSalmon">
    Hello User!...
    <div class="Divclass">
      Grouping Elements are div and span tags
      <br> <br>
      Div tag is a generic container and a block-level tag.<br>
      This tag basically used to group or collection of various
      Html tags    <br>
      Span tag is used as a <span style=color:cyan> generic
      container of inline elements </span>.
    </div>
  </body>
</html>
```



8. Write a HTML Menu page for Example cafe site

```
<html>
  <head>
    <title> menu Page of Cafe </title>
  </head>
  <body>
    <h1>Tea Time</h1>
    <h4>TEA</h4>
    <ul>
      <li>Masala Tea</li>
      <li>Ginger Tea</li>
      <li>Green Tea</li>
      <li>Ginger Lemon Tea</li>
      <li>Badam Tea</li>
    </ul>
    <h4>SNACKS</h4>
    <ul>
      <li>Samosa</li>
      <li>Osmania Biscuit</li>
    </ul>
    <h4>MILK SHAKES</h4>
    <ul>
      <li>Chocolate Shake</li>
      <li>Vanilla Shake</li>
      <li>Rose Milk</li>
    </ul>
  </body>
</html>
```



9. Write a HTML program using images, audios, videos.

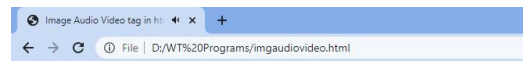
```
<!DOCTYPE html>
<html>
  <head>
    <title> Image Audio Video tag in html</title>
  </head>
  <body>

    <img src= "F:\html.png " height="150px"  width="150px">
      <br> This is image <br><br><br><br>

    <audio controls>
      <source src="C:\Users\system-28\Downloads\Roar Of RRR.mp3"
        type="audio/mpeg">
    </audio>
      <br>This is audio file<br>

    <video controls height="300px"  width="300px">
      <source src="C:\Users\system-28\Downloads\How to stop
        expecting from others.mp4" type="video/mp4">
    </video>
      <br> This is Video file

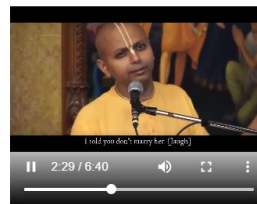
  </body>
</html>
```



This is an image



This is audio file



This is Video file

10. Write a HTML program to create your time table.

```
<html>
<head>
<title> Time Table</title>
</head>
<body>
<h1 align="center" style="color:red">
Avanthi Degree & P.G College </h1>

<h2 align="center" style="color:red">
  B.Sc Physical Science Time Table </h2>

<center>
<table border="2" bordercolor="red" rules="all" height="60%"
  width="60%" style="font-size:17px">

<tr align="center">
<th >Group</th>
  <th>9:00 to 9:45</th>
  <th>9:45 to 10:30</th>
  <th>10:30 to 11:15</th>
  <th rowspan="4" style="writing-mode:vertical-rl">Break</th>
  <th>11:25 to 12:10</th>
  <th>12:10 to 01:00</th>
</tr>

<tr align="center" width="200">
<th>MECS</th>
  <td>Electronics</td>
```



```

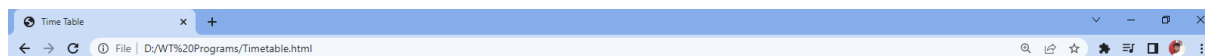
        <td>Computer Science</td>
        <td>English</td>
        <td>Mathematics</td>
        <td>Second Languages</td>
</tr>

<tr align="center" width="200">
    <th>MPCS</th>
        <td>Computer Science</td>
        <td>Mathematics</td>
        <td>Physics</td>
        <td>English</td>
        <td>Second Languages</td>
</tr>

<tr align="center" width="200">
<th>MSCS</th>
        <td>Statistics</td>
        <td>Mathematics</td>
        <td>Computer Science</td>
        <td>English</td>
        <td>Second Languages</td>
</tr>

</table>
</center>
</body>
</html>

```



Avanthi Degree & P.G College

B.Sc Physical Science Time Table

Group	9:00 to 9:45	9:45 to 10:30	10:30 to 11:15		11:25 to 12:10	12:10 to 01:00
MECS	Electronics	Computer Science	English	Break	Mathematics	Second Languages
MPCS	Computer Science	Mathematics	Physics		English	Second Languages
MSCS	Statistics	Mathematics	Computer Science		English	Second Languages



11. Write a HTML program to create a form using text inputs, password inputs, multiple line text input, buttons, check boxes, radio buttons, select boxes, file select boxes.

```
<html>
  <head>
    <title>FormControls</title>
  </head>
  <body>
    <form action="https://www.osmania.ac.in/">
      UserName: <input type="text" name="uname"><br>
      Password: <input type="password" name="pwd"><br>
      E-mail id:<input type="text"><br>
      Gender:
      <input type="radio" name="radiogroup1"> Male
      <input type="radio" name="radiogroup1"> Female<br><br>
      Contact Number: <input type="text" name="mobile">
    <h3>Educational Qualification</h3>
      Degree: <select>
        <option selected>-- Select Group --</option>
        <option>B.Com</option>
        <option>B.Sc</option>
        <option>BBA</option>
        <option>B.A</option>
      </select><br>
      Hobbies: <br> <input type="checkbox">Playing chess
              <input type="checkbox">Reading Books
              <input type="checkbox">Watching Movies <br>
      Address:<br>
        <textarea cols="30" rows="5" >
          Enter Address Here
        </textarea><br><br>
      Attach Resume: <input type="file"><br><br>
        <input type="submit" value="Submit">
      </body>
</html>
```

FormControls

File | D:\WT1%20Programs\form.html

UserName:

Password:

E-mail id:

Gender: ☐ Male ☐ Female

Contact Number:

Educational Qualification

Degree: -- Select Group --

Hobbies:

☐ Playing chess ☐ Reading Books ☐ Watching Movies

Address:

Enter Address Here

Attach Resume: No file chosen

Type here to search

Address

14:28
02-06-2022

12. Write a HTML program to create a frames and links between frames.

Anchor.html

```
<html>
  <head>
    <title>Anchor Tag</title>
  </head>
  <body>
    <a href="https://www.osmania.ac.in/" target="Frame2">
      Osmania University </a> <br>
    <a href="https://www.w3.org/" target="Frame2"> W3C</a>
  </body>
</html>
```

Frames.html

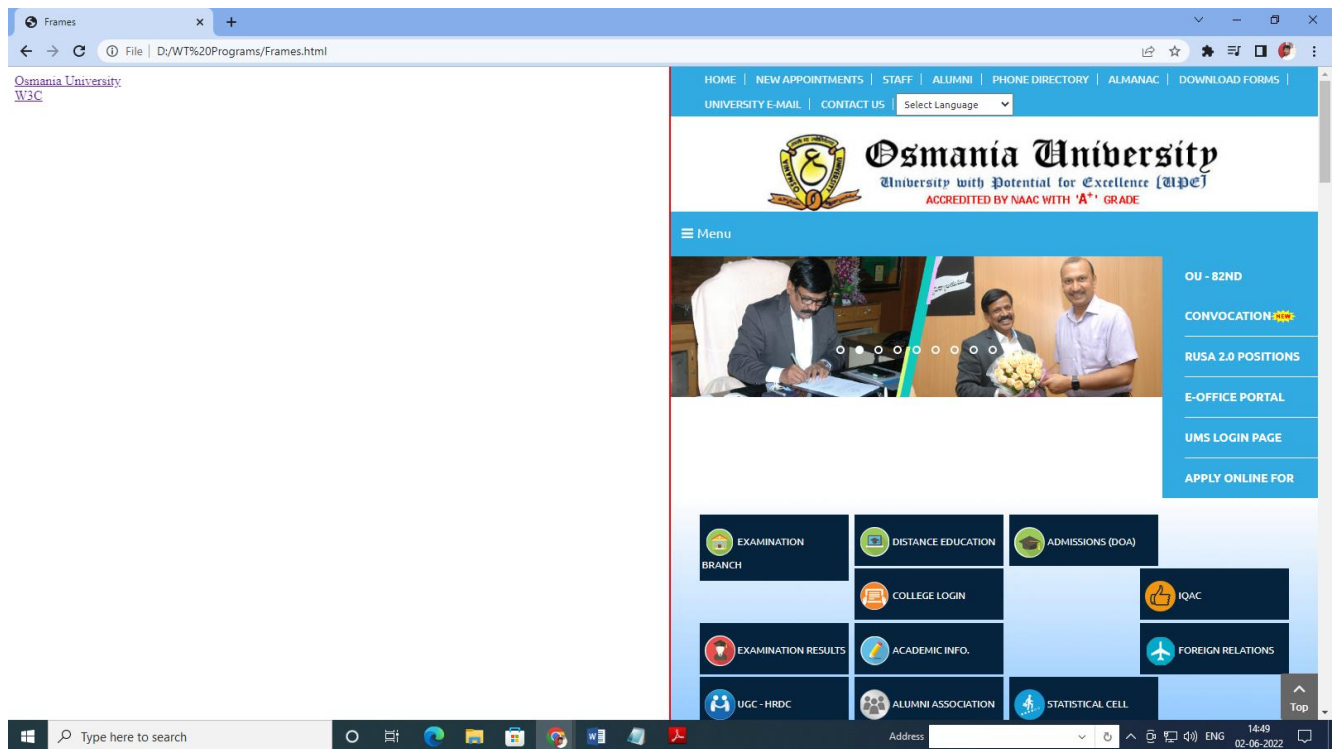
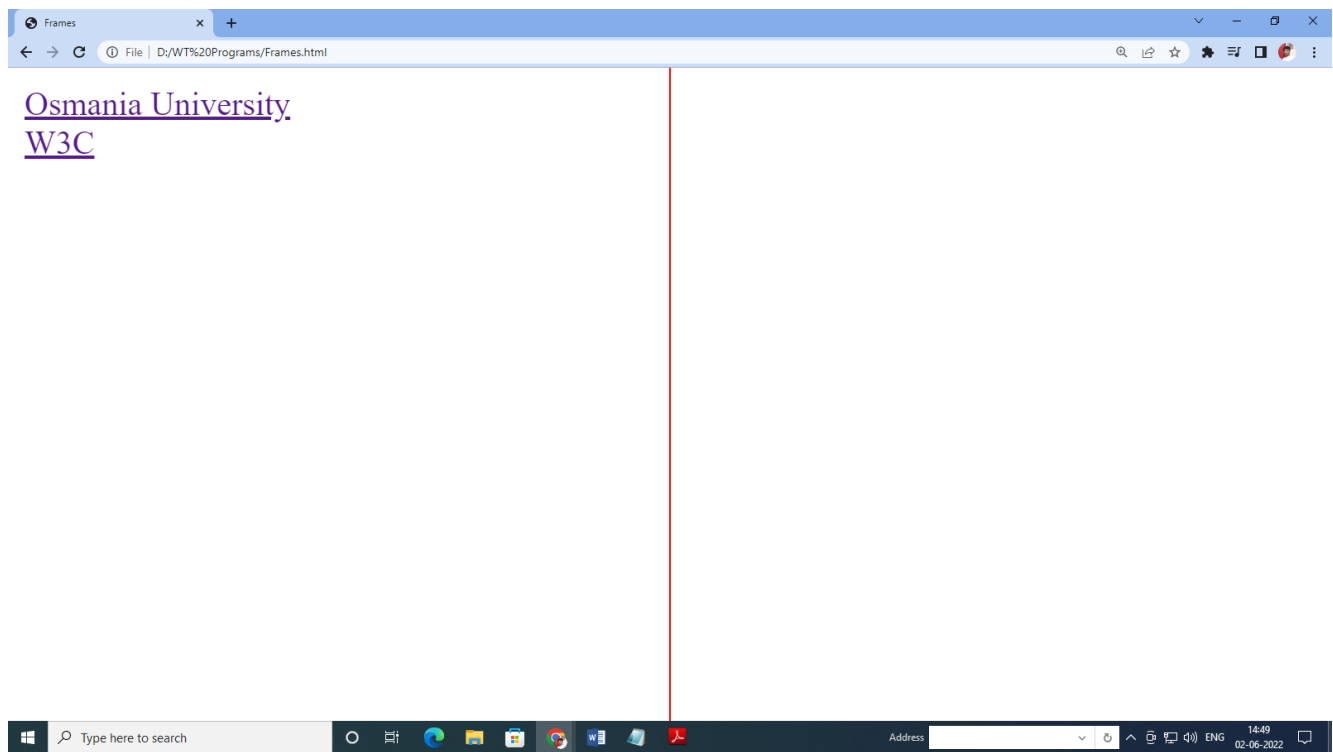
```
<html>
  <head>
    <title>Frames</title>
  </head>
  <frameset cols="50%,50%" border="2" bordercolor="red">
    <frame src="anchor.html" name="Frame1">
    <frame src=" " name="Frame2">

    <noframes>

      <body>Your browser does not support frames.</body>

    </noframes>

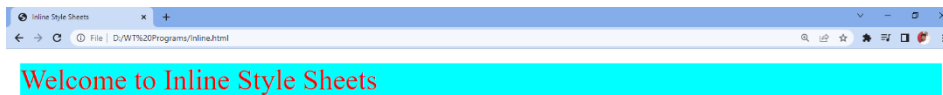
  </frameset>
</html>
```



13. Write a HTML program to create different types of style sheets.

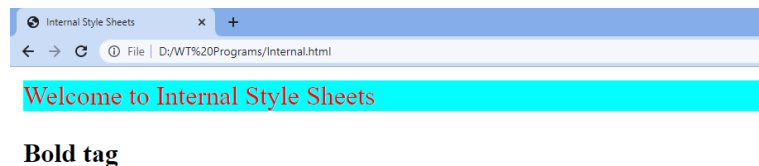
Inline Stylesheet

```
<html>
  <head>
    <title>Inline Style Sheets</title>
  </head>
  <body>
    <p style="color:red; background-color:cyan">
      Welcome to Inline Style Sheets
    </p>
  </body>
</html>
```



Internal Stylesheet

```
<html>
  <head>
    <title>Internal Style Sheets</title>
    <style type="text/css">
      p
      {
        color:red;
        background-color:cyan;
      }
    </style>
  </head>
  <body>
    <p> Welcome to Internal Style Sheets</p>
    <b> Bold tag</b>
  </body>
</html>
```



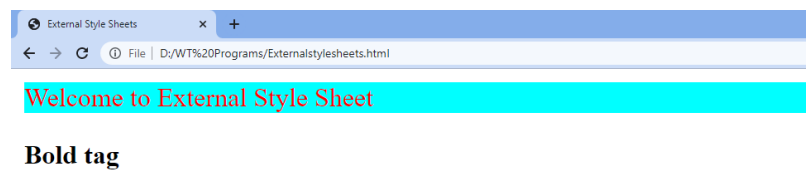
External Stylesheet

Styles.css

```
p
{
color:red;
background-color:cyan;
}
```

Externalstylesheet.html

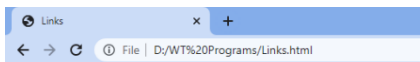
```
<html>
  <head>
    <title>External Style Sheets</title>
    <link rel="stylesheet" href="styles.css">
  </head>
  <body>
    <p>Welcome to External Style Sheet </p>
    <b>Bold tag</b>
  </body>
</html>
```



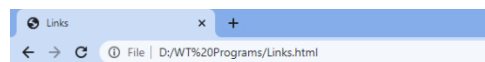
14. Write a HTML program to create CSS on links, lists, tables and generated content

CSS on links

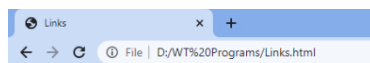
```
<html>
  <head>
    <title>Links</title>
    <style type="text/css">
      a:link
      {
        background-color:pink;
      }
      a:visited
      {
        color:red;
        text-decoration:underline;
      }
      a:hover
      {
        color:yellow;
        text-decoration:overline;
        background-color:white;
      }
      a:active
      {
        color:blue;
      }
    </style>
  </head>
  <body>
    <a href="https://www.osmania.ac.in/" target="_blank">
      osmania University
    </a>
  </body>
</html>
```



osmania University



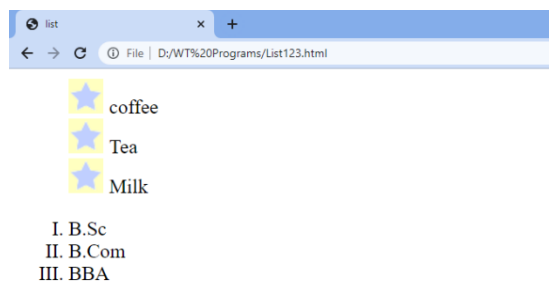
osmania University



osmania University

CSS on lists

```
<html>
  <head>
    <title>list</title>
    <style type="text/css">
      ul
      {
        list-style-position: inside;
        list-style-image:url
          ("https://mdn.mozillademos.org/files/11981/starsolid.gif");
      }
      ol
      {
        list-style-type: upper-roman;
      }
    </style>
  <body>
    <ul>
      <li>coffee</li>
      <li>Tea</li>
      <li>Milk</li>
    </ul>
    <ol>
      <li>B.Sc</li>
      <li>B.Com</li>
      <li>BBA</li>
    </ol>
  </body>
</html>
```



CSS on Table

```
<html>
  <head>
    <title>Table</title>
    <style type="text/css">
      table
      {
        border-spacing:40px 20px;
        text-align:center;
      }
      caption
      {
        caption-side:bottom;
      }
      th
      {
        background-color: green;
        color: white;
      }
      tr:hover
      {
        background-color: cyan;
      }
    </style>

    <table border="2">

      <caption>Faculty names</caption>
      <tr>
        <th>S.No</th>
        <th>Faculty Name</th>
      </tr>

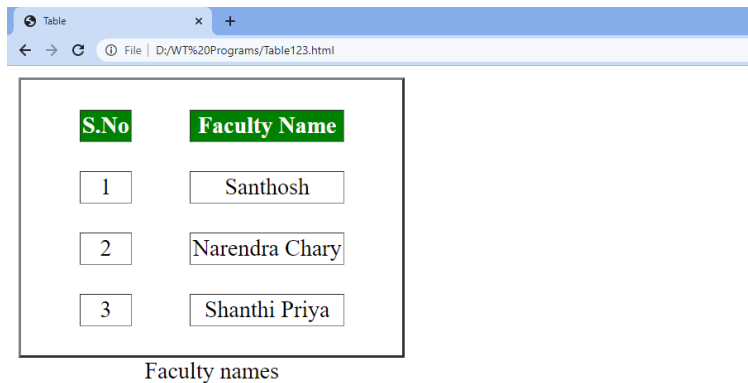
      <tr>
        <td>1</td>
        <td>Santhosh</td>
```

```

</tr>
<tr>
    <td> 2 </td>
    <td> Narendra Chary </td>
</tr>

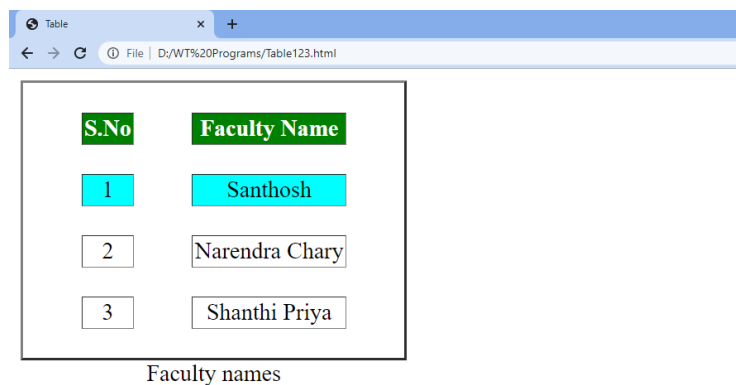
<tr>
    <td> 3 </td>
    <td> Shanthi Priya </td>
</tr>
</table>
</body>
</html>

```



S.No	Faculty Name
1	Santhosh
2	Narendra Chary
3	Shanthi Priya

Faculty names

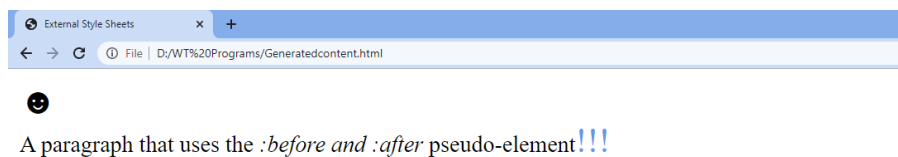


S.No	Faculty Name
1	Santhosh
2	Narendra Chary
3	Shanthi Priya

Faculty names

Css on generated Content :

```
<html>
  <head>
    <title>External Style Sheets</title>
  <style>
    .demonstration:before
    {
      content: "0";
      display: block;
      font-size: 1.5rem;
    }
    .demonstration:after
    {
      content: "!!!";
      color: cornflowerblue;
      font-size: 1.5rem;
    }
  </style>
</head>
<body>
  <p class="demonstration">A paragraph that uses the
    <em>:before and :after</em> pseudo-element</p>
</body>
</html>
```



15. Write a HTML program to create your college web site using multi Column layouts.

```
<!DOCTYPE html>
<html>
<head>
  <title>College Web site</title>
  <style>
    #header
    {
      background-color:red;
      color:white;
      text-align:center;
      padding:10px;
    }
    #nav
    {
      line-height:30px;
      background-color:silver;
      height:210px; width:20%;
      float:left;
      padding:5px;
    }
    #section
    {
      width:80% float:left;
      padding:10px;
    }
    #footer
    {
      background-color:red;
      color:white; clear:both;
      text-align:center;
      padding:5px;
    }
  </style>
</head>
```

```
<body>

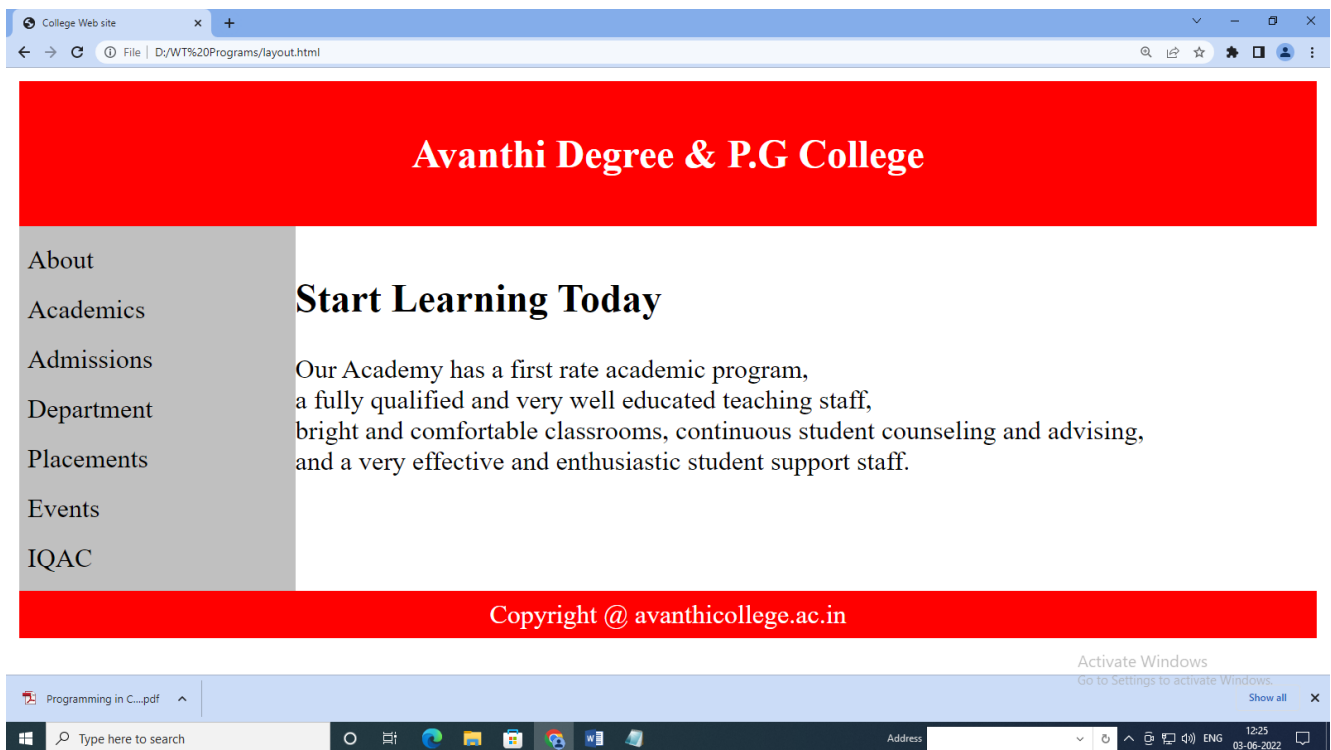
<div id="header">
    <h2>Avanthi Degree & P.G College</h2>
</div>

<div id="nav">
    About<br>
    Academics<br>
    Admissions<br>
    Department<br>
    Placements<br>
    Events<br>
    IQAC<br>
</div>

<div id="section">
    <h2>Start Learning Today </h2>
    <p> Our Academy has a first rate academic program,
        <br>a fully qualified and very well educated teaching
            staff,
        <br>bright and comfortable classrooms, continuous
            student counseling and advising,
        <br>and a very effective and enthusiastic student
            support staff.
    </p>
</div>

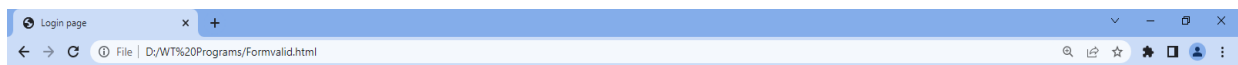
    <div id="footer">
        Copyright @ avanthicollege.ac.in
    </div>

</body>
</html>
```



17. Write a HTML program to create login form and verify username and password

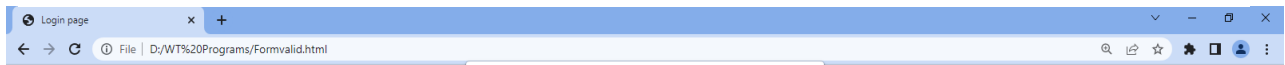
```
<html>
<head>
  <title> Login page </title>
</head>
<body>
<h1 style="font-family:Comic Sans Ms;
          text-align="center"; font-size:20pt;
          color:#00FF00;">
  Simple Login Page
</h1>
<form name="login">
  Username : <input type="text" name="userid"> <br>
  Password  : <input type="password" name="pswrd"> <br>
<input type="button" onclick="check(this.form)" value="Login">
<input type="reset" value="Cancel">
</form>
  <script language="javascript">
    function check(form) /*function to check userid & password*/
    {
/*the following code checkes whether the entered userid and
password are matching*/
      if(form.userid.value=="santhosh" && form.pswrd.value == "1234")
      {
        window.open('https://www.osmania.ac.in/') /*opens the target
page while Id & password matches*/
      }
    else
    {
      alert("Error Password or Username")/*displays error message*/
    }
  }
</script>
</body>
</html>
```



Simple Login Page

Username :

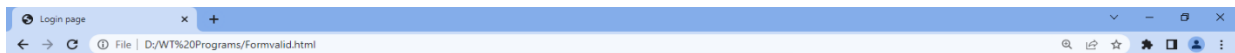
Password :



Simple Login Page

Username :

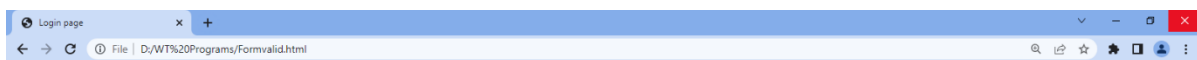
Password :



Simple Login Page

Username :

Password :



Simple Login Page

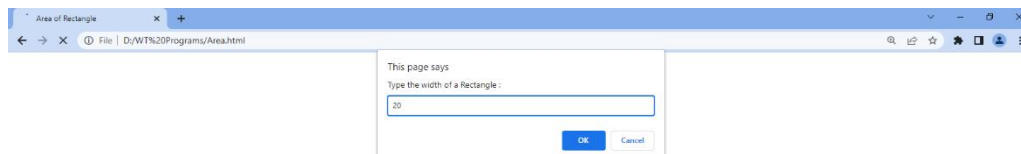
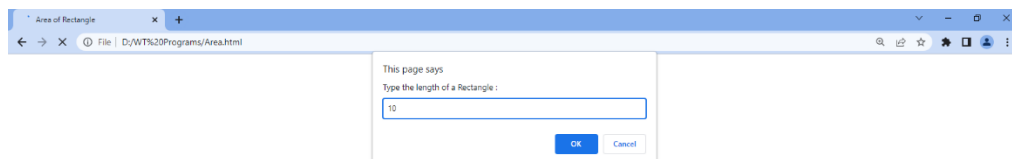
Username :

Password :



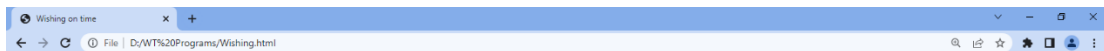
18. Write a JavaScript program to calculate area of rectangle using Function.

```
<html>
<head>
<title> Area of Rectangle </title>
</head>
<body>
<script>
var length = parseInt(prompt("Type the length of a Rectangle : "));
var width = parseInt(prompt("Type the width of a Rectangle : "));
    function areaRectangle(width, length)
    {
        var area = width * length;
        return area;
    }
    document.write("Area of
        Rectangle="+areaRectangle(width,length)+"<br>");
</script>
</body>
</html>
```

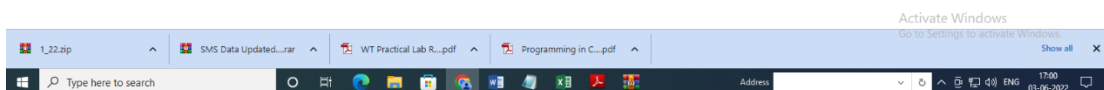


19. Write a JavaScript program to wish good morning, good afternoon, good evening depending on the current time.

```
<html>
  <head>
    <title>Wishing on time</title>
  </head>
  <body>
    <script type="text/JavaScript">
      date = new Date();
      time = date.getHours();
      if (time < 12)
        document.write('Good Morning');
      else if (time > 12 && time < 16)
        document.write('Good Afternoon')
      else
        document.write('Good Evening');
    </script>
  </body>
</html>
```

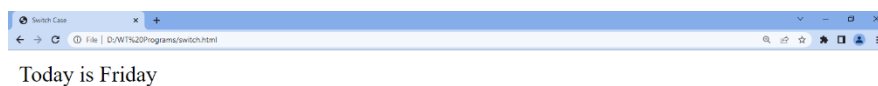


Good Evening



20. Write a JavaScript program using switch case?

```
<html>
  <head>
    <title> Switch Case </title>
  </head>
  <body>
    <p id="demo"></p>
    <script>
      var day;
      switch (new Date().getDay())
      {
        case 0:  day = "Sunday";
                  break;
        case 1:  day = "Monday";
                  break;
        case 2:  day = "Tuesday";
                  break;
        case 3:  day = "Wednesday";
                  break;
        case 4:  day = "Thursday";
                  break;
        case 5:  day = "Friday";
                  break;
        case 6:  day = "Saturday";
      }
      document.getElementById("demo").innerHTML = "Today is " + day;
    </script>
  </body>
</html>
```

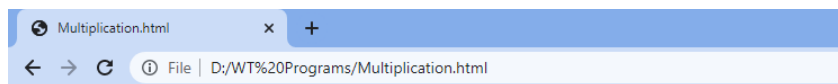


21. Write a JavaScript program to print multiplication table of given number using loop

```
<!DOCTYPE html>
<html>
<body>
<h1>JavaScript Multiplication Table</h1>

<script>
var table = 9;
var length = 10;
var i = 1;

document.write("Multiplication table: "+ table + "<br>");
for(i = 1; i <= length; i++)
document.write("<br>" + table + " * " + i + " = " + (table * i));
</script>
</body>
</html>
```



JavaScript Multiplication Table

Multiplication table: 9

```
9 * 1 = 9
9 * 2 = 18
9 * 3 = 27
9 * 4 = 36
9 * 5 = 45
9 * 6 = 54
9 * 7 = 63
9 * 8 = 72
9 * 9 = 81
9 * 10 = 90
```

22. Write a JavaScript programs using any 5 events.

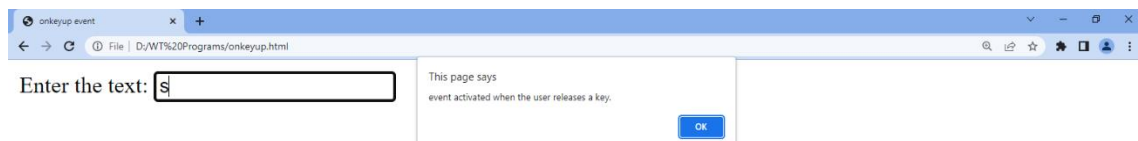
onclick event

```
<html>
<head>
<title> Javascript Events</title>
</head>
<body>
<h3> Click the button to display message </h3>
<script >
    function display()
    {
        alert("Onclick Event");
    }
</script>
<form>
<input type="submit" onclick="display()" value="Click Here">
</form>
</body>
</html>
```



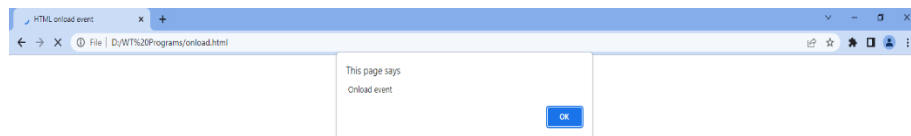
onkeyup event

```
<!DOCTYPE html>
<html>
  <head>
    <title>onkeyup event</title>
  </head>
  <body>
    <script>
      function display()
      {
        alert("event activated when the user releases a key.");
      }
    </script>
    <form>
      Enter the text:
      <input type="text" onkeyup= "display()">
    </form>
  </body>
</html>
```



onload event

```
<!DOCTYPE html>
<html>
  <head>
    <title> HTML onload event</title>
    <script>
      function display()
      {
        alert(" Onload event")
      }
    </script>
  </head>
  <body onload="display()">
    <h2> Page Loaded successfully </h2>
  </body>
</html>
```



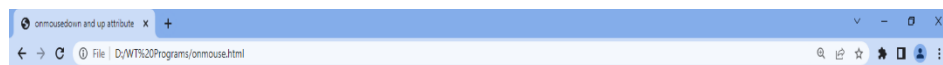
Page loaded successfully

onmouseup and onmousedown event

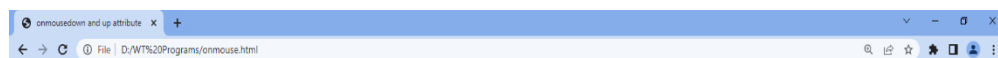
```
<!DOCTYPE html>
<html>
  <head>
    <title> onmousedown and up attribute</title>
  </head>
  <body>
    <p onmousedown="mouseDown(this)" onmouseup="mouseUp(this)">
      Click Here to check onmousedown Event.<br>
    <script>
      function mouseDown(obj)
      {
        obj.style.color = "red";
      }
      function mouseUp(obj)
      {
        obj.style.color = "blue";
      }
    </script>
  </body>
</html>
```



Click Here to check onmousedown and onmouseup Event.



Click Here to check onmousedown and onmouseup Event.



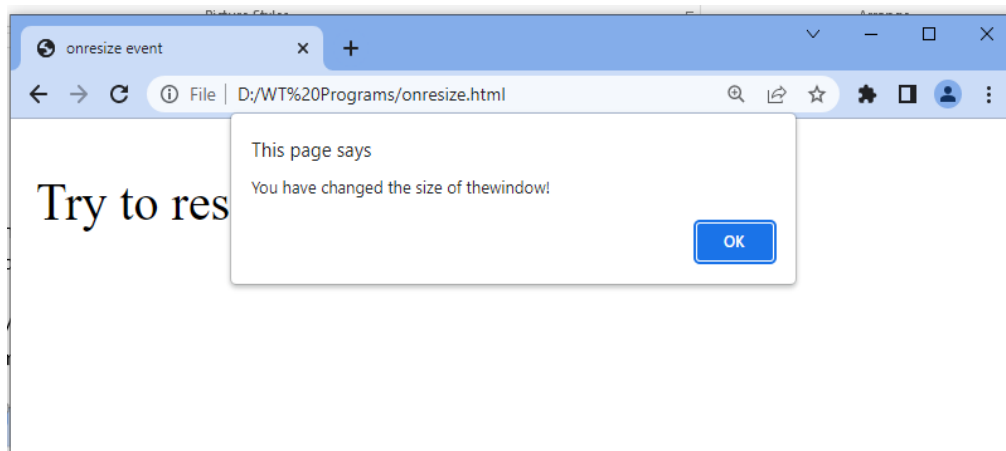
Click Here to check onmousedown and onmouseup Event.

onresize event

```
<!DOCTYPE html>
<html>
  <head>
    <title> onresize  event</title>
    <script>
      function display()
      {
        alert ("You have changed the size of thewindow!");
      }
    </script>
  </head>
  <body onresize="display()">
    <p>Try to resize the browser window</p >
  </body>
</html>
```

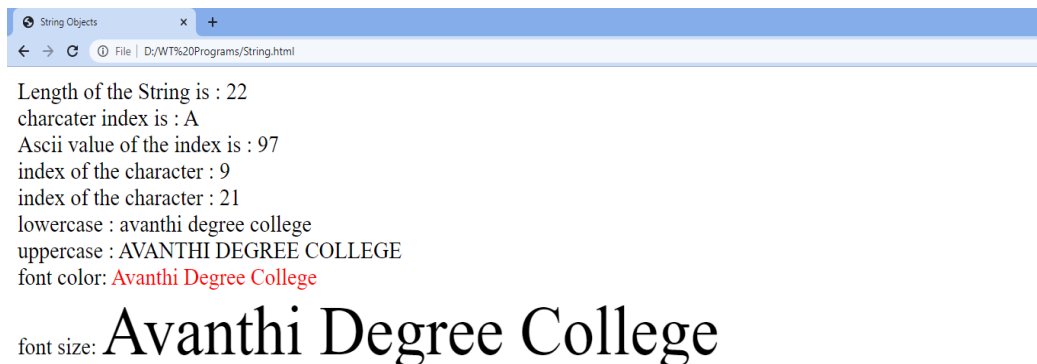


Try to resize the browser window



23. Write a JavaScript program using JavaScript built in objects.

```
<html>
<head>
<title>String Objects</title>
</head>
<body>
<script>
    var st="Avanthi Degree College";
    document.write("Length of the String is : "+st.length);
    document.write("<br> charcater index is : "+st.charAt(0));
    document.write("<br> Ascii value of the index is : "
        +st.charCodeAt(2));
    document.write("<br> index of the character : "
        +st.indexOf("e"));
    document.write("<br> index of the character : "
        +st.lastIndexOf("e"));
    document.write("<br> lowercase : "+st.toLowerCase());
    document.write("<br> uppercase : "+st.toUpperCase());
    document.write("<br> font color: "+st.fontcolor('red'));
    document.write("<br> font size: "+st.fontsize(20));
</script>
</body>
</html>
```



24. Write a JavaScript program to create registration form and validate all fields using form validation.

```
<!DOCTYPE html>
<html>
<head>
  <title>Reg Form</title>
  <style type="text/css">
    form
    {
      text-align: center;
      font-family: Calibri;
      font-size: 20px;
      border: 3px solid black;
      width: 600px;
      margin: 20px auto;
    }
  </style>
  <script>
    function validate()
    {
      var fname = document.reg_form.fname;
      var lname = document.reg_form.lname;
      var txtarea = document.reg_form.txtarea;
      var gender = document.reg_form.gender;
      var email = document.reg_form.email;
      var mobile = document.reg_form.mobile;
      var course = document.reg_form.course;

      if (fname.value.length <= 0)
      {
        alert("Name is required");
        fname.focus();
        return false;
      }
    }
  </script>
</head>
<body>
  <form id="reg_form">
    <input type="text" value="First Name" />
    <input type="text" value="Last Name" />
    <input type="text" value="Email" />
    <input type="text" value="Mobile" />
    <input type="text" value="Course" />
    <input type="text" value="Gender" />
    <input type="text" value="Address" />
    <input type="text" value="City" />
    <input type="text" value="State" />
    <input type="text" value="Zip" />
    <input type="text" value="Password" />
    <input type="text" value="Confirm Password" />
    <input type="button" value="Register" />
  </form>
</body>
</html>
```

```

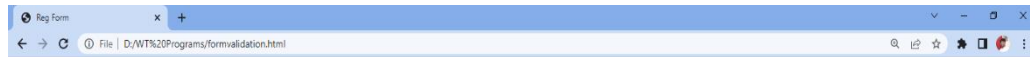
        if (lname.value.length <= 0)
        {
            alert("Last Name is required");
            lname.focus();
            return false;
        }
        if (gender.value.length <= 0)
        {
            alert("Gender is required");
            gender.focus();
            return false;
        }
        if (email.value.length <= 0)
        {
            alert("Email Id is required");
            email.focus();    return false;
        }
        if (mobile.value.length <= 0)
        {
            alert("Mobile number is required");
            mobile.focus();    return false;
        }
        if (course.value == "select course")
        {
            alert("Course is required");
            course.focus();    return false;
        }
        if (txtarea.value.length <= 0)
        {
            alert("address is required");
            txtarea.focus();    return false;
        }
    }
</script>
</head>

```

```

<body>
  <center>
    <h1>Form Validation using HTML,CSS,JavaScript</h1>
  </center>
  <hr>
  <form action=" " name="reg_form" onsubmit="return validate()">
    <h2>Registration Form</h2>
    <label>First Name: </label>
    <input type="text" name="fname" placeholder="First Name"><br>
    <label>Last Name: </label>
    <input type="text" name="lname" placeholder="Last Name"> <br>
    <label>Gender: </label>
    <input type="radio" name="gender" value="male">Male
    <input type="radio" name="gender" value="femele">Female <br>
    <label>Email Id: </label>
    <input type="text" name="email" placeholder="example@gmail.com">
    <br>
    <label>Mobile: </label>
    <input type="number" name="mobile"> <br>
    <label>Course: </label>
    <select name="course">
      <option value="select course">select course</option>
      <option value="HTML">HTML</option>
      <option value="CSS">CSS</option>
      <option value="JavaScript">JAVASCRIPT</option>
    </select> <br>
    <label>Address: </label> <br>
    <textarea name="txtarea" rows="3" cols="30"
      placeholder="Enter Address here"></textarea><br>
    <input type="submit" name="submit" value="Submit">
    <input type="reset" name="reset" value="Reset">
  </form>
</body>
</html>

```



Form Validation using HTML,CSS,JavaScript

Registration Form

First Name:

Last Name:

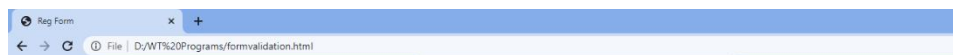
Gender: ☐ Male ☐ Female

Email Id:

Mobile:

Course:

Address:



Form Vali

JavaScript

Registration Form

First Name:

Last Name:

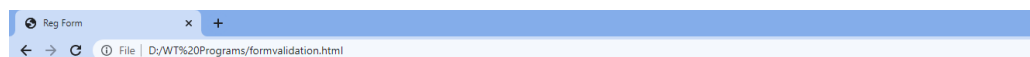
Gender: ☐ Male ☐ Female

Email Id:

Mobile:

Course:

Address:



Form Vali

JavaScript

Registration Form

First Name:

Last Name:

Gender: ☐ Male ☐ Female

Email Id:

Mobile:

Course:

Address:

Reg Form

File | D:\WT%20Programs\formvalidation.html

This page says
Gender is required

Form Validation JavaScript

OK

Registration Form

First Name:

Last Name:

Gender: ☐ Male ☐ Female

Email Id:

Mobile:

Course:

Address:

Reg Form

File | D:\WT%20Programs\formvalidation.html?name=santhosh&lname=T&email=example@gmail.com&mobile=&course=select+course&txtarea=&submit=Submit

This page says
Email id is required

Form Validation JavaScript

OK

Registration Form

First Name:

Last Name:

Gender: ☒ Male ☐ Female

Email Id:

Mobile:

Course:

Address:

Activate Windows
Go to Settings to activate Windows

Reg Form

File | D:\WT%20Programs\formvalidation.html?name=santhosh&lname=T&email=mail2chanty@gmail.com&mobile=&course=select+course&txtarea=&submit=Submit

This page says
Mobile number is required

Form Validation JavaScript

OK

Registration Form

First Name:

Last Name:

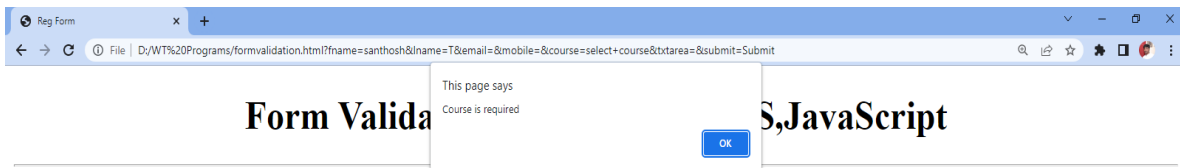
Gender: ☒ Male ☐ Female

Email Id:

Mobile:

Course:

Address:



Registration Form

First Name:

Last Name:

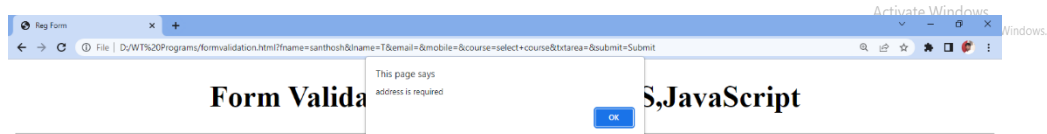
Gender: ☒ Male ☐ Female

Email Id:

Mobile:

Course:

Address:



Registration Form

First Name:

Last Name:

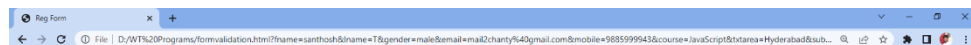
Gender: ☒ Male ☐ Female

Email Id:

Mobile:

Course:

Address:



Form Validation using HTML, CSS, JavaScript

Registration Form

First Name:

Last Name:

Gender: ☒ Male ☐ Female

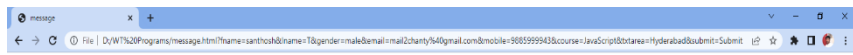
Email Id:

Mobile:

Course:

Address:

Activate Windows
Go to Settings to activate Windows.



validation done successfully

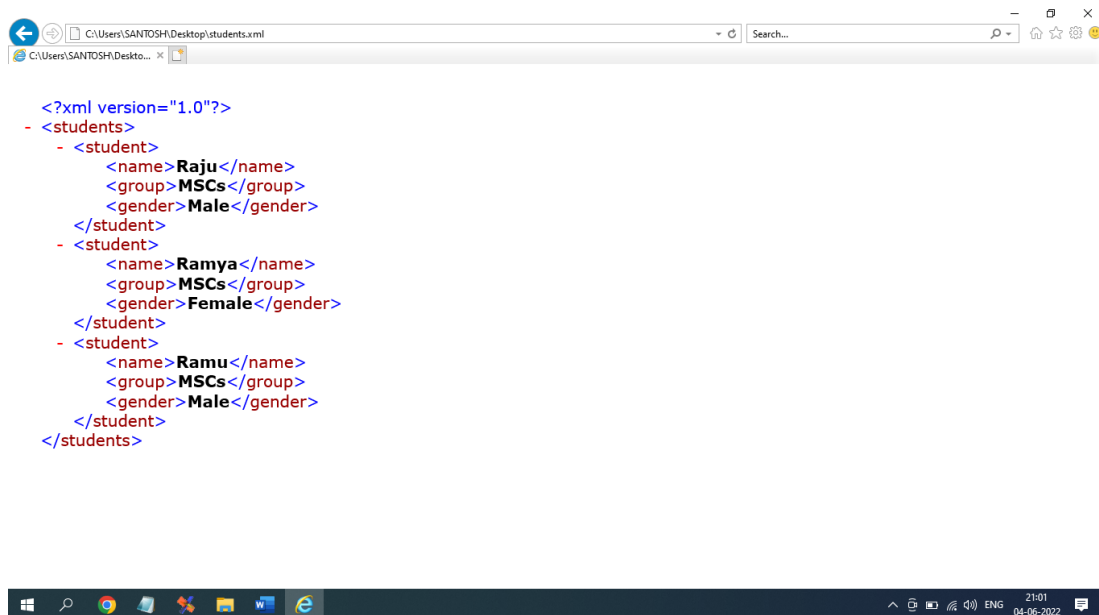
Activate Windows
Go to Settings to activate Windows.



25. Write a XML Program to represent Student Data using DTD

STUDENT.XML

```
<students>
  <student>
    <name>Raju</name>
    <group>MSCs</group>
    <gender>Male</gender>
  </student>
  <student>
    <name>Ramya</name>
    <group>MSCs</group>
    <gender>Female</gender>
  </student>
  <student>
    <name>Ramu</name>
    <group>MSCs</group>
    <gender>Male</gender>
  </student>
</students>
```



Internal DTD of Given XML

```
<!DOCTYPE students[
<!ELEMENT students (student+)>
<!ELEMENT student (name,group,gender)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT group (#PCDATA)>
<!ELEMENT gender (#PCDATA)>
]>
<students>
  <student>
    <name>Raju</name>
    <group>MSCs</group>
    <gender>Male</gender>
  </student>
  <student>
    <name>Ramya</name>
    <group>MSCs</group>
    <gender>Female</gender>
  </student>
  <student>
    <name>Ramu</name>
    <group>MSCs</group>
    <gender>Male</gender>
  </student>
</students>
```

External DTD of Given XML

Students.dtd

```
<!ELEMENT students (student+)>
<!ELEMENT student (name,group,gender)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT group (#PCDATA)>
<!ELEMENT gender (#PCDATA)>
```

Students.xml

```
<!DOCTYPE students SYSTEM "D:\students.dtd">
<students>
  <student>
    <name>Raju</name>
    <group>MSCs</group>
    <gender>Male</gender>
  </student>
  <student>
    <name>Ramya</name>
    <group>MSCs</group>
    <gender>Female</gender>
  </student>
  <student>
    <name>Ramu</name>
    <group>MSCs</group>
    <gender>Male</gender>
  </student>
</students>
```

26. Write a XML Program to represent Data using XML Schema Definition.

STUDENT.XML

```
<students>
  <student>
    <name>Raju</name>
    <group>MSCs</group>
    <gender>Male</gender>
  </student>
  <student>
    <name>Ramya</name>
    <group>MSCs</group>
    <gender>Female</gender>
  </student>
  <student>
    <name>Ramu</name>
    <group>MSCs</group>
    <gender>Male</gender>
  </student>
</students>
```

```
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
<xs:element name="students">
<xs:complexType>
  <xs:sequence>
    <xs:element name="student" maxOccurs="unbounded"
      minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element type="xs:string" name="name"/>
          <xs:element type="xs:string" name="group"/>
          <xs:element type="xs:string" name="gender"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
```