# MAHARISHI DAYANAND UNIVERSITY



*Delhi Global Institute of Technology*

Web Technologies Lab

*Subject Code :* LC-CSE-216G

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*Registration Number : 191380214*

*Roll Number :*

# INDEX

**Program 1**

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**Aim:** Create a HTML file for displaying a webpage with following Tags. The file should contain a brief description about all these tags:

1. Bold
2. Italics
3. Underline
4. Alignment
5. Paragraph
6. Text color
7. Headings
8. HR
9. Background
10. Line Break
11. Pre

---

**CODE**

<html>

<head>

<title>Program 1</title>

</head>

<body bgcolor=pink>

<b>BOLD:-This tag change the text in Bold form.</b><br>

<i>ITALICS:-This tag change the text in Italic form.</i><br>

<u>UNDERLINE:-This tag is used to underline the text.</u><br>

ALIGNMENT:There are three options to align the text: left,right,center.For example:

<h2 align="center">Program 1</h2>

PARAGRAPH:If we want to align paragraphs,we can mark the beginning and the end of a paragraph by "p and /p" in angular braces. For example:

<p>The text will show in paragraph.</p>

<p>We can align a paragraph left,right or center</p>

<font face="algerian" size=2 font color="blue">Text Color: This tag is used to change the color of the text.<br></font>

We can print HEADINGS using any one of the six tag H1,H2,H3,H4,H5,H6 in angular braces.

<h1>Heading 1</h1> <h2>Heading 2</h2>  <h3>Heading 3</h3>

<hr color=red>HR tag is used to provide a line wherever you want.<hr color=red>

BACKGROUND COLOR:- BG tag in angular braces is used to provide background color.

<br>LINE BREAK:- BR tag in angular braces is used to break the line.</br>

PRE tag is used when you want to show the text in specific manner.

<pre><i>

      <u>Created By: Bazgha Razi</u>

      <u>Class: B Tech(CSE) 4 sem</u>

</pre></i>

</body>

</html>


## OUTPUT

**BOLD:-This tag change the text in Bold form.**
*ITALICS:-This tag change the text in Italic form.*
<u>UNDERLINE:-This tag is used to underline the text.</u>
ALIGNMENT:There are three options to align the text: left,right,center.For example:

### Program 1

PARAGRAPH:If we want to align paragraphs,we can mark the beginning and the end of a paragraph by "p and /p" in angular braces. For example:

The text will show in paragraph.

We can align a paragraph left,right or center

**TEXT COLOR: THIS TAG IS USED TO CHANGE THE COLOR OF THE TEXT.**
We can print HEADINGS using any one of the six tag H1,H2,H3,H4,H5,H6 in angular braces.

# Heading 1

## Heading 2

### Heading 3

---

HR tag is used to provide a line wherever you want.

---

BACKGROUND COLOR:- BG tag in angular braces is used to provide background color.
LINE BREAK:- BR tag in angular braces is used to break the line.
PRE tag is used when you want to show the text in specific manner.

    <u>*Created By: Bazgha Razi*</u>
    <u>*Class: B Tech(CSE) 4 sem*</u>

**Program 2**

---

**Aim:** Design a Web Site with the name as HTML tutorial with following specifications:

Make following hyperlinks (i.e. 5 different web pages):

Formatting Styles and Headings: Include Bold, italics, Underline, Strike, Subscript, superscript and all six type of headings

Font Styles and Images: Font and Basefont tag, Image tag

Anchor: Internal (linking within page) and External (linking with other documents) links

Marquee: Move text, image and hyperlink

Other tags: br, hr, pre, p

Include following specifications:

- ➢ In all these web pages only mention about use, attributes apply them.
- ➢ Insert a background image on home page
- ➢ Make all the topics as hyperlinks and go to some other page for description
- ➢ Insert a marquee showing HTML Tutorial as moving text.
- ➢ Use different font style for different topics
- ➢ On every page, make a hyperlink for going back to home page.

---

**CODE**

```
<html>

<head>

<title>Program 2</title>

</head>

<body bgcolor = pink>

<marquee>HTML TUTORIAL</marquee>

<font style="Monotype Corsiva"size="6" color="white"><a href="a.html">1.Formatting Styles and Headings</a><br>

<a href="b.html">2.Font Styles and Images</a><br>

<a href="c.html">3.Anchor</a><br>
```

```html
<a href="d.html">4.Marquee</a><br>

<a href="e.html">5.Other tags</a>

</font>

</body>

</html>
```

**OUPUT**

HTML TUTORIAL

1.Formatting Styles and Headings
2.Font Styles and Images
3.Anchor
4.Marquee
5.Other tags

**Program 3**

---

**Aim:** Design a Web Page of your CV with headings as Objective, educational qualification, achievements, strengths, hobbies and personal details.

 Apply following specifications:

> ➢ Insert a horizontal line after every above mentioned heading (Eg. Insert horizontal line once objectives are complete)
> ➢ Set any light color as page background.
> ➢ Bold and underline every heading
> ➢ Insert your image on left side of web page
> ➢ Use heading tag to specify the headings
> ➢ After every heading is over put a horizontal line
> ➢ Use pre tag for Educational Qualification
> ➢ Use Base font tag for all the text

---

**CODE**

<html>

<head>

<title>CV</title>

<basefont="Brush Script MT" size=5 color="Black">

<font face="times new roman" color="black" size=3>

<b><h1 align="center">Introduction</h1></b>

</head>

<body bgcolor = pink>

<img src="D:\Web Development\HTML-Personal Site\2.png" height=150 width=200 align="left" alt="image"><br>

<hr size=2 width=5500 color="blue">

<pre><b>Address: M-42 Chanakya Place Part 2, New Delhi</b>

<b>Mobile Number:9599130143</b>

<b>Email Id: sbs019190@gmail.com></b>

</pre>

<hr size=2 width=5500 color="blue">

```html
<b><u><h4>Objectives:</h4></u></b>

To work in a challenging culture.<br>

<hr size=2 width=5500 color="blue">

<b><u><h4>Qualification:</h4></u></b>

<pre><b>

Board            Year of Passing                Percentage</b>

12<sup>th</sup>            2018                        64%

10<sup>th</sup>            2016                        86%

</pre>

<hr size=2 width=5500 color="blue">

<b><u><h4>Hobbies:</h4></u></b>

Reading Novels<br>

Playing Games

</body>

</html>
```

**OUPUT**

**Program 4**

---

**Aim:** Create a nested list as follows:

Computer System

1. Input Devices

   i. Keyboard

   ii. Mouse

   iii. Joystic

   iv. Scanner

      a. Flat Bed Scanner

      b. Hand held Scanner

2. Output Devices

   i. Monitor

      a. LCD

      b. CRT

   ii. Printer

      a. Impact Printer

      b. Non Impact Printer

Apply following parts:

   ✓ Insert an image of computer on top right corner of web page
   ✓ Display a marquee displaying "Input and Output Devices"
   ✓ Use different font styles and colors for Input and Output Devices
   ✓ Insert horizontal line after Input Devices are over
Use bold, italics and underline in headings

---

**CODE**

<html>

<head>

<title>Nested List</title>

</head>

<body>

<h3 align=center><b>Computer System</b></h3>

```html
<img src="https://m.economictimes.com/thumb/msid-75719903,width-1200,height-900,resizemode-4,imgsize-290552/8.jpg" align=right height=100 width=100 border=3>

<ol type=1>

<font face="Algerian" color="red">

<marquee>Input and Output Devices</marquee>

<li><u>Input Devices</u></li></font>

 <ol type=i>

<li>Keyboard</li>

<li>Mouse</li>

<li>LightPen</li>

<li>Scanner</li>

<ol type=a>

<li>Flatbed</li>

<li>Handheld</li>

</ol>

</ol>

<hr>

<font face="times new roman" color="red">

<li><u>OUTPUT DEVICES</u></li></font>

<ol type = i>

<li> Monitor</li>

<ol type = a>

<li> LCD</li>

<li> CRT<li>

</ol>

<li>Printer</li>
```

```
<ol type = a>

<li> Impact printer</li>

<li> Non-impact printer</li>

</ol>

</ol>

</body>

</html>
```

**OUTPUT**

**Computer System**



INPUT AND OUTPUT DEVICES

1. INPUT DEVICES
     i. Keyboard
     ii. Mouse
     iii. LightPen
     iv. Scanner
             a. Flatbed
             b. Handheld

2. OUTPUT DEVICES
     i. Monitor
             a. LCD
             b. CRT
             c.
     ii. Printer
             a. Impact printer
             b. Non-impact printer

**Program 5**

**Aim:** Design tables as follows:

| Roll no | Name | Course | Marks |
|---|---|---|---|
| 1 | Saurav Bemotra | BTech | 78 |
| 2 | Kavita Sharma | BCA | 62 |
| 3 | Rohit Garg | BBA CAM | 87 |
| 4 | Pooja Kapoor | BBA | 67 |
| 5 | Mohit Gupta | BBA CAM | 72 |

**CODE**

```
<html>

<head>

<title>Program 5</title>

</head>

<body>

<table border=2 align="Center" Cellspacing="4" Cellpadding="6">

<tr>

<th>Roll no</th>

<th>Name</th>

<th>Course</th>

<th>Marks</th>

</tr>

<tr>

<td>1</td>

<td>Saurav Bemotra</td>

<td>BTech</td>

<td>92</td>

</tr>
```

```html
<tr>
<td>2</td>
<td>Kavita Sharma</td>
<td>BCA</td>
<td>62</td>
</tr>
<tr>
<td>3</td>
<td>Rohit Garg</td>
<td>BBA CAM</td>
<td>87</td>
</tr>
<tr>
<td>4</td>
<td>Pooja Kapoor</td>
<td>BBA</td>
<td>67</td>
</tr>
<tr>
<td>5</td>
<td>Mohit Gupta</td>
<td>BBA CAM</td>
<td>72</td>
</tr>
</table>
```

```
</body>

</html>
```

**OUTPUT**

| Roll no | Name | Course | Marks |
|---------|------|--------|-------|
| 1 | Saurav Bemotra | BTech | 92 |
| 2 | Kavita Sharma | BCA | 62 |
| 3 | Rohit Garg | BBA CAM | 87 |
| 4 | Pooja Kapoor | BBA | 67 |
| 5 | Mohit Gupta | BBA CAM | 72 |

**Program 6**

---

**Aim:** Design following HTML form:



---

**CODE**

```
<html>

<head>

<title>Program 6</title>

</head>

<body>

<h2 align="left"><u>Employee Form</u></h2>

<form>

<pre>

Name: <input type="text" name="n1">

Designation: <select name="des">

          <option>Select Any Option</option>

          <option>Manager</option>

          <option>Department Head</option>

          <option>Engineer</option>
```

```
            <option>Clerk</option>

</select>

Salary: <input type="password" name="pwd">

Specification: <input type="radio" name="r1" value="IT">IT   <input type="radio"
name="r1" value="Management">Management

Hobbies: <input type="checkbox" name="c1" value="Travelling">Travelling  <input
type="checkbox" name="c1" value="Sports">Sports

     <input type="checkbox" name="c1" value="Reading">Reading     <input
type="checkbox" name="c1" value="Net surfing">Net surfing

Address:

     <textarea name="a1" rows=5 cols=20>

       </textarea>

       <input type="submit" value="submit">  <input type="reset" value="reset">

</form>

</body>

</html>
```

**OUTPUT**



**Employee Form**

Name: [_____]

Designation: [Select Any Option ▾]

Salary: [_____]

Specification: ○ IT    ○ Management

Hobbies: ☐ Travelling   ☐ Sports

       ☐ Reading     ☐ Net surfing
Address:
       [_____]

       [ submit ]   [ reset ]

## Program 7

**Aim:** Design following frame:

| PRODUCTS | |
|---|---|
| Mobile Phone     Shoes     Pen Drive     Shirt | |
| Image | Description (Product code, Name, Brand, Price, Color, Discount, Offer/Scheme etc.) |

Mobile phone, shoes, Pen drive, Shirt will be hyperlinks. If user clicks on any item, its picture should be displayed in frame 2 and details about the product in frame 3.

## CODE

```
<html>

<head>

<title>Ques10</title>

</head>

<frameset rows="50%,50%">

 <frame src="frame1.html" name="f1">

<frameset cols="50%,50%">

 <frame name="f2">

 <frame name="f3">

</frameset>

</frameset>

</html>
```

**Product:**

```
<html>

<head>

<title>frame1</title>

</head>

<body>
```

```html
<h3 align="center">PRODUCTS</h3>

<pre>

 <a href="mobile.html" target="f1">Mobile Phone</a>     <a href="shoes.html"
target="f1">Shoes</a>     <a href="pd.html" target="f1">Pen Drive</a>     <a
href="shirt.html" target="f1">Shirt</a>

</pre>

</body>

</html>
```

**Mobile Phones:**

```html
<html>

<head>

<title>Mobile Phones</title>

<body>

<a href="d1.html" target="f3"><img src="untitled.png" target="f2" height=300
width=300></a>

</head>

</html>
```

**Shoes:**

```html
<html>

<head>

<title>Shoes</title>

<body>

<a href="d2.html" target="f3"><img src="dd.png" target="f2" height=300
width=300></a>

</head>

</html>
```

**Pen drive:**

```html
<html>
```

<head>

<title>Pen drive</title>

<body>

<a href="d3.html" target="f3"><img src="as.png" target="f2" height=300 width=300></a>

</head>

</html>

**Shirts:**

<html>

<head>

<title>shirts</title>

<body>

<a href="d4.html" target="f3"><img src="fds.png" target="f2" height=300 width=300></a>

</head>

</html>

**OUTPUT**

**Program 8**

---

**Aim:** Inline Cascading Style Sheet

---

**CODE**

```html
<html>

<body>

<p style="background: pink; color: white; font-size: 20pt; ">

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation semantics (the look and formatting) of a document written in a markup language.

In simpler words, Cascading Style Sheets (CSS) is a simple mechanism for adding style (e.g., fonts, colors, spacing) to Web documents.

It is designed primarily to enable the separation of document content (written in HTML or a similar markup language) from document presentation, including elements such as the layout, colors, and fonts

</p>

<h1 style="color:red; text-align:right; "> Heading style 1 </h1>

</body>

</html>
```

**OUTPUT**

---



Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation semantics (the look and formatting) of a document written in a markup language. In simpler words, Cascading Style Sheets (CSS) is a simple mechanism for adding style (e.g., fonts, colors, spacing) to Web documents. It is designed primarily to enable the separation of document content (written in HTML or a similar markup language) from document presentation, including elements such as the layout, colors, and fonts

Heading style 1

**Program 9**

---

**Aim:** Embedded Cascading Style Sheet

---

**CODE**

<html>

<head>

<style type="text/css">

body {color:white;}

p {margin-left:20px;}

body {background-image:url("https://png.pngtree.com/thumb_back/fh260/back_our/20190620/ourmid/pngtree-electronic-technology-website-texture-background-banner-image_156039.jpg");}

</style>

<body>

<p>Cascading Style Sheets (CSS) is a style sheet language used

 for describing the presentation semantics (the look and formatting)

of a document written in a markup language.

</p><hr>

</body></html>

**OUTPUT**

**Program 10**

---

**Aim:** External Cascading Style Sheet

---

**CODE**

Program10.html File:

<html>

<head>

<link rel="stylesheet" type="text/css" href="styles.css">

</head>

<body>

<h1>HELLO</h1>

<hr>

</body>

</html>

styles.css File:

h1 {margin-left:20px; text-align:center;}

body {background-color:pink;}

hr {color:blue;}

**OUTPUT**

**Program 11**

**Aim:** Create a XML file containing note as the root element and to, from, subject and body as its child element.

**CODE**

```xml
<?xml version ="1.0"?>

<note>

<to>A</to>

<from>B</from>

<subject lang="eng">Web Technology</subject>

<body> Use of XML </body>

</note>
```
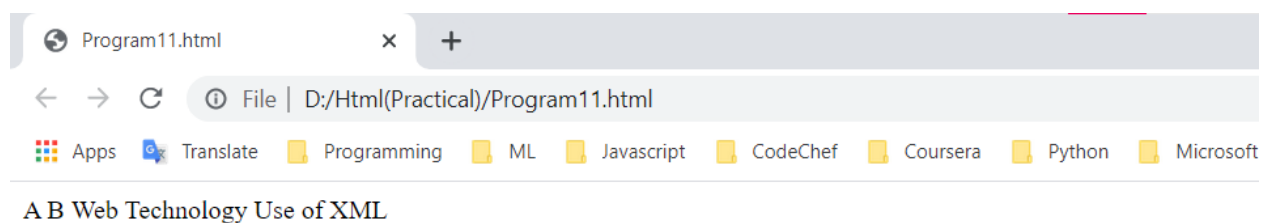
**OUTPUT**



A B Web Technology Use of XML

**Program 12**

---

**Aim:** Create a valid XML document containing the tags mentioned in the 1st question (use internal DTD).

---

**CODE**

```
<?xml version="1.0"?>

<!DOCTYPE note[

<!ELEMENT note(to,from,heading,body)>

<!ELEMENT to(#PCDATA)>

<!ELEMENT from(#PCDATA)>

<!ELEMENT heading(#PCDATA)>

<!ELEMENT body(#PCDATA)>

<note>

<to>A</to><br>

<from>B</from><br>

<heading>Remainder</heading><br>

<body>My name is Bazgha Razi</body>

</note>
```
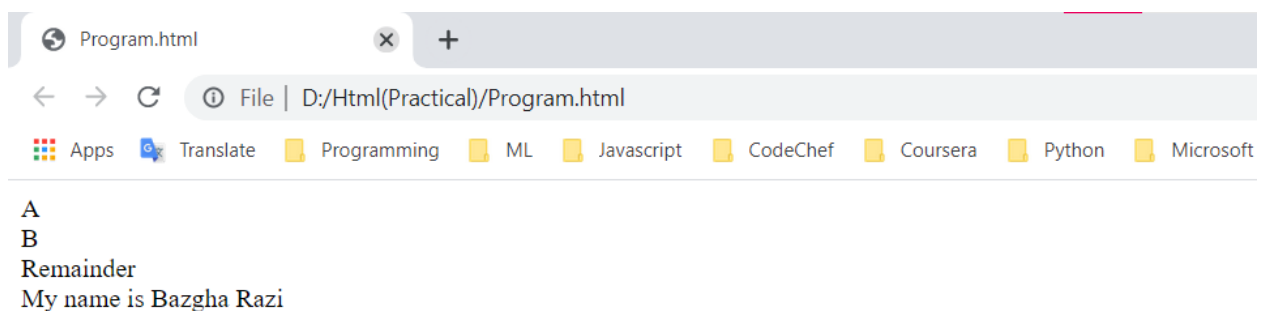
**OUTPUT**



A
B
Remainder
My name is Bazgha Razi

**Program 13**

---

**Aim:** Create a well formed XML file having 5 tags- food_menu , food, name, price and calories . Food_menu is the main  parent element that contains food as the child element. Food is the parent element of name, price and calories.

---

**CODE**

```
<?xml version ="1.0"?>

<food_menu>

<food> <b> <u>Deserts </u> </b> <br>

<Deserts>

<name>Choclate Fantancy</name>

   <price>Rs.100</price>

   <calories>150K</calories>

</Deserts>

<Des><br>

<name>Hot Choclate</name>

   <price>Rs.50</price>

   <calories>100K</calories>

</Des>

</food><br>

<Food1> <b> <u> Italian </u> </b> </br>

<itl>

<name>Pizza</name>

   <price>Rs.250</price>

   <calories>212K</calories>

</itl>

<mak><br>
```

```
<name>Pasta</name>

   <price>Rs.100</price>

   <calories>110K</calories>

</mak>

</food_menu>
```
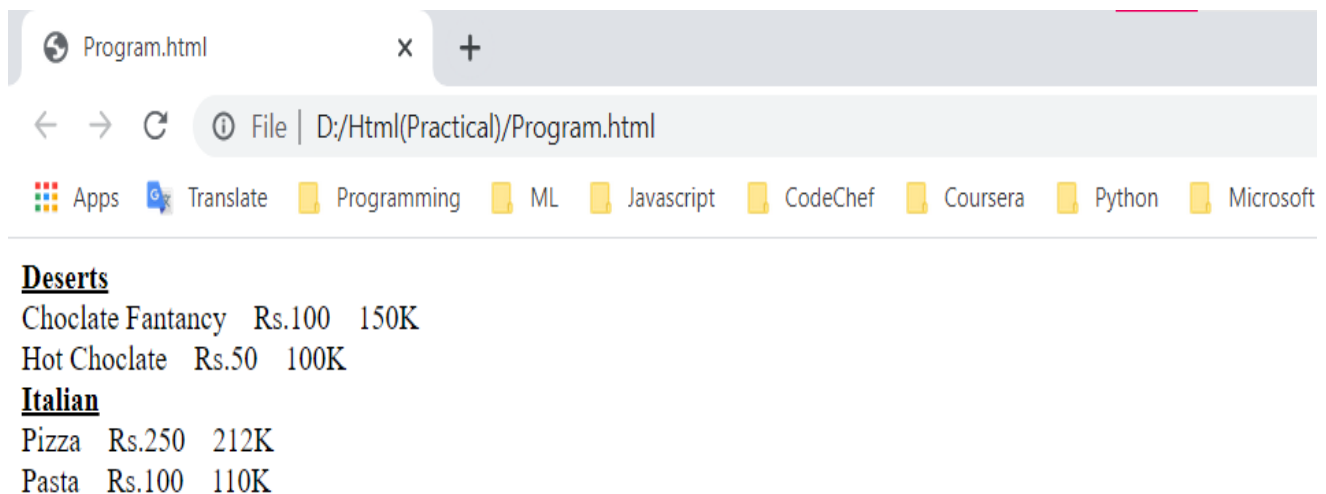
**OUTPUT**



**Program 14**

**Aim:** Create a valid XML document containing employee as the root tag and empname, empno, salary, department as its child tags. Use external DTD to implement it.

**CODE**

```
<!DOCTYPE employee[

<!ELEMENT employee(emp_no,salary,department)>

<!ELEMENT emp_no(#PCDATA)>

<!ELEMENT salary(#PCDATA)>
```

```
<!ELEMENT department(#PCDATA)>

<?xml version="1.0"?>

<!DOCTYPE note SYSTEM "file2.dtd"

<employee>

<emp_no>Emp_no: 40</emp_no><br>

<salary>Salary: 80000</salary><br>

<department>Department: IT</department><br>

<emp_no>Emp_no: 45</emp_no><br>

<salary>Salary: 75000</salary><br>

<department>Department: Manager</department><br>

</employee>
```

**OUTPUT**



Emp_no: 40
Salary: 80000
Department: IT
Emp_no: 45
Salary: 75000
Department: Manager