

## Cascading Style Sheets

### Lab Cycle

1. write a CSS program to show the working of an inline style?

```
<html>
<head>
<title>Inline CSS</title>
<h1>Demonstration Of CSS Inline Style</h1>
</head>
<body>
<h1 style="text-decoration: underline;text-decoration-style:double; color: crimson;
font-weight: 400px;">Inline Styling for multiple elements</h1>
<p style="color:red; font-size:30px; font-style: italic;">This is test for Inline CSS</p>
</body>
</html>
```

2. write a program to show the the internal style in a webpage?

```
<html>
<head>

<style type ="text/css">
body { background-color: green; }
p { color: white; }
h2 {color: red; }
</style>
</head>

<body>
<h2>Internal CSS</h2>
<p>This page uses internal CSS.
Using the style tag we are able to modify
the appearance of HTML elements.</p>
<p> Department of Computer Applications</p>
<h2> Welcome</h2>
<h2> Hello BCA</h2>
<h3> MES College</h3>

</body>
</html>
```

3. write a program to show the external style in a web page

Create an external style and save it as First.css

```
body {
    background-color: white;
    color: green;
    font-size: 1.1em;
}
h1 {
    color: red;
}
p {
    font-family:arial; font-stretch:ultra-condensed;
}
```

//call this external style into the HTML file through the head tag

```
<html>
  <head>
    <title>My Example</title>
    <link rel="stylesheet" type="text/css" href="first.css">
  </head>
  <body>
    <h1 >External Styles</h1>
    <p >Allow you to define styles
for the whole website.</p>
    <p >This has a style
applied via a class.</p>
    <p >This has a style
applied via a class.</p>
    <p>Welcome to my CSS Class. It is an ID</p>

  </body>
</html>
```

4. Write a program to show the working of universal selectors?

```
<html >
<head>

  <title>Example of CSS universal selector</title>
  <style>
    * {
      margin: 0;
      padding: 0;
    }
  </style>

</head>
```

```
<body>
  <h1>This is heading</h1>
  <p>This is a paragraph.</p>
</body>
</html>
```

5. Write program to show the working of simpleSelector?

//CSS File

```
h1 {
  color: red;
}
p {
  color: blue;
}
```

//Html File

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

6. Write a program to show the working of class selectors in a webpage?

//CSS File

```
.ColorSelect {
  color: blue;
}
```

//Html File

```
<html >
<head>
  <title>Example of CSS class selector</title>
  <link rel="stylesheet" type="text/css"
href="ClassSelectors.css" />
</head>
<body>
  <h1 class="ColorSelect">This is a heading</h1>
  <p class="ColorSelect">This is a paragraph.</p>
  <p>This is another paragraph.</p>
</body>
</html>
```

7. Write a program to show the working of id selectors in a webpage

```
//CSS File
#abstract {
    text-align: center;
    color: red;
}

//Html File
<html >
<head>
    <title>Example of CSS class selector</title>
<link rel="stylesheet" type="text/css"
href="IdSelectors.css" />
</head>
<body>

<h1 id="abstract">Hello World!</h1>
<p>This paragraph is not affected by the style.</p>

</body>
</html>
```

8. Write a program to show the working of font type in a webpage?

```
p.one{ font-family:arial, verdana, sans-serif;}
p.two{ font-family:times, "times new roman",serif;}
p.three{ font-family:courier, "courier new",serif;}
```

```
//Save this code as FontType.css
```

```
<html>
<head>
<link rel="stylesheet" type="text/css"
href="FontType.css" />
</head>
<body>

<p class="one">Here is some Text.</p>
<p class="two">Here is some Text.</p>
<p class="three">Here is some Text.</p>
</body>
</html>
```

9. Write a program to show the working of font size in a webpage using CSS

```
p.one{ font-size:xx-large;}
p.two{ font-size:24px;}
p.three{ font-size:1pc;}
p.four{ font-size:200%;}
```

```
//Save this code as Fontsize.css
//Call the Fontsize.css file to the html file
<html>
<head>
<link rel="stylesheet" type="text/css"
href="Fontsize.css" />
</head>
<body>
<p class="one">Here is some text.</p>
<p class="two">Here is some text.</p>
<p class="three">Here is some text.</p>
<p class="four">Here is some text.</p>
</body>
</html>
```

10. Write a program to show the working of font weight in a webpage using CSS

```
p.one { font-weight:normal;}
p.two { font-weight:bold;}
p.three { font-weight:bolder;}
p.four{ font-weight:lighter;}
p.five{ font-weight:400;}
p.six { font-weight:200;}
```

```
//Save this code as FontWeight.css
//Call the FontWeight.css file to the html file
<html>
<head>
<link rel="stylesheet" type="text/css"
href="FontWeight.css" />
</head>
<body>
<p class="one">Here is some text.</p>
<p class="two">Here is some text.</p>
<p class="three">Here is some text.</p>
<p class="four">Here is some text.</p>
<p class="five">Here is some text.</p>
<p class="six">Here is some text.</p>
</body>
</html>
```

11. write a program to show the working of font style in a webpage using CSS

```
//css file
p.one{ font-style:normal;}
p.two{ font-style:italic;}
p.three { font-style:oblique;}

//html file
<html>
<head>
<link rel="stylesheet" type="text/css"
href="FontStyle.css" />
</head>
<body>
<p class="one">Here is some text.</p>
<p class="two">Here is some text.</p>
<p class="three">Here is some text.</p>
</body>
</html>
```

12. Write a program to show the working of font variants in a webpage using CSS

```
//CSS File
p { font-variant:normal;font-size:28px;}
span.smallcaps{ font-variant:small-caps; }

//html File
<html>
<head>
<link rel="stylesheet" type="text/css"
href="FontVar.css" />
</head>
<body>
<p>This is a normal font, but then
<span class="smallcaps">
there are some small caps</span> WELCOME in the middle.
</p></body>
</html>
```

13. Write a program to show the working of text indent property

```
//CSS file
p.inde {text-indent:2em;}

//html File
<html>
<head>
<link rel="stylesheet" type="text/css" href="Textind.css" />
</head>
<body>
```

```

<p>This paragraph should be aligned with the left-hand side of the browser. </p>
<p class="inde">The content of this paragraph should be indented by 3 em. </p>
</body>
</html>

```

14. Write a program to show the working of text shadow property

```

//CSS file
p.drop{text-shadow: 0.5em 0.5em 0.7em red}

```

```

//Html File
<html>
<head>
<link rel="stylesheet" type="text/css"
href="TextShad.css" />
</head>
<body>
<p class="drop">This paragraph should be
aligned with the
left-hand side of the browser. </p>
</body>
</html>

```

15. Write a program to show the working of text transformation proper

```

//CSS file
p.none {text-transform:none;}
p.capital {text-transform:Capitalize;}
p.upper {text-transform:UPPERCASE;}
p.lower {text-transform:lowercase;}

```

```

//Html File
<html>
<head>
<link rel="stylesheet" type="text/css" href="TextTrans.css" />
</head>
<body>
<H1 Font.color="red">Text-Transform</h1>
<p class ="none">welcome to Department of Computer Applications.</p>
<p class ="capital">welcome to Department of Computer Applications.</p>
<p class ="upper">welcome to Department of Computer Applications.</p>
<p class ="lower">Welcome To Department of Computer Applications.</p>

</body>
</html>

```

16. .Write a program to show the working of letter spacing and wordspacing in a webpage using css

//CSS File

```
p.wider { word-spacing:20px;}
p.letterwide { letter-spacing:10px;}
h1.space1 { word-spacing:20px;}
```

//html Fiel

```
<html>
<head>
<link rel="stylesheet" type="text/css"
href="TextSpace.css" />
</head>
<body>
<H1 class ="space1">Text Spacing details</h1>
<p class ="letterwide">welcome to
Department of Computer Applications.</p>
<p class ="wider">welcome to Department of Computer Applications.</p>
</body>
</body>
</html>
```

17. Write a program to show the working of text direction property

//CSS file

```
p.ltr { direction:ltr;}
p.rtl { direction:rtl;}
```

//Html File

```
<html>
<head>
<link rel="stylesheet" type="text/css"
href="TextDir.css" />
</head>
<body>
<h1><font color="red"><center>Text Direction
</center></font></h1>
<p class="rtl"> This text will be renedered
from right to left </p>
<p class="ltr"> This text will be
renedered from left to right </p>
</body>
</html>
```



18. Write a program to show how to change the colour of a link using CSS

//CSS File

```
p {
    font-size: 20px;
    text-align:center;
}

a:link{
    color:red;
}

/*visited link will appear blue*/
a:visited{
    color:blue;
}

/*when mouse hovers over link it will appear orange*/
a:hover{
    color:orange;
}

/*when the link is clicked, it will appear black*/
a:active{
    color:black;
}
```

//HTML File

```
<html>
<head>
    <title>Link color property</title>
<link rel="stylesheet" type="text/css"
href="Colour.css" />

</head>

<body>
    <p><a href="https://www.google.com/" target= "_blank" >Welcome to
Google</a>
    This link will change colours with different states.</p>
</body>
</html>
```

19. Write a program to show how to add an image as background

//CSS File

```
body {
```

```
background-image:url(E:/Tulips.jpg);

}
```

```
//Html File
<html>
<head>
<link rel="stylesheet" type="text/css"
href="Image.css" />
</head>

<body>
<p> This Body has background image set.</p>
</body>
</html>
```

20. Write a program to show wrking of bg-repeat property

```
//CSS File
body {background-image:url(e:/image1.jpg);
      background-repeat:repeat;}

//html file
<html>
<head>
<link rel="stylesheet" type="text/css" href="ImageRep.css" />
</head>

<body>
<p><br><br> This table has background image which repeats multiple times.
</body>
</html>
```

21. Write a program to show working of list positioning property

```
//CSS File
ul.a {
  list-style-type: circle;
}

ul.b {
  list-style-type: square;
}

ol.c {
  list-style-type: upper-roman;
}

//Html File
<html>
```

```
<head>
<link rel="stylesheet" type="text/css" href="ListStyle.css" />
</head>
<body>

<p>Example of unordered lists:</p>
<ul class="a">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Coca Cola</li>
</ul>

<ul class="b">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Coca Cola</li>
</ul>

<p>Example of ordered lists:</p>
<ol class="c">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Coca Cola</li>
</ol>

<ol class="d">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Coca Cola</li>
</ol>

</body>
</html>
```