

LAB 6

9)

Specifying headings of the content and inserting paragraphs of text content :

- ⌘ Headings – h1 to h6
- ⌘ Paragraphs and line breaks
- ⌘ Text formatting
- ⌘ Preformatted text
- ⌘ Marking deleted and inserted text
- ⌘ Setting text direction of an element
- ⌘ Usage of div and span tags

```
<!DOCTYPE html>
<html>
<body>
<h1>Hello</h1>
<h2>Hello</h2>
<h3>Hello</h3>
<h4>Hello</h4>
<h5>Hello</h5>
<h6>Hello</h6>
<p> Tom Morvollo Riddle </p>
<br>
<pre> I am Lord Voldemort </pre>
<p> Tom Morvollo <del>Harry Potter</del> <ins>Riddle</ins> </p>
<p style="color:chartreuse"> You Know Who </p>
<div>Hello World</div>
<span>CSE 101</span>
<div>Hello World <span> CSE 101</span></div>
<span>Hello World <div> CSE 101</div></span>
</body>
</html>
```

Hello

Hello

Hello

Hello

Hello

Hello

Tom Morvollo Riddle

I am Lord Voldemort

Tom Morvollo ~~Harry Potter~~ Riddle

You Know Who

Hello World

CSE 101

Hello World CSE 101

Hello World

CSE 101

10)

Creating links to other HTML documents or Web resources :

- ☺ Create hyperlinks
- ☺ Using image as a Link
- ☺ Open link in a new browser window
- ☺ Navigate inside page

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<a href = https://www.google.com id="top"> Google </a>
```

```
<br>
```

```

```

```
<br>
```

```
<a href = https://slcm.manipal.edu target = "_blank" id = "last"> SLCM </a>
```

```
<nav>
```

```
<br>
```

```
<a href="#top">Top</a>
```

```
<br>
```

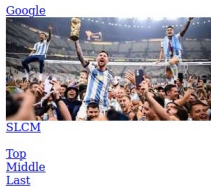
```
<a href="#middle">Middle</a>
```

```
<br>
```

```

<a href="#last">Last</a>
</nav>
</body>
</html>

```



11)

Inserting images into the HTML document :

- ✧ Setting width and height of the images
- ✧ Aligning images
- ✧ Make a hyperlink of an image
- ✧ Creating an image – map (An image with clickable regions)

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<img align="right" src =
```

```
"https://upload.wikimedia.org/wikipedia/en/thumb/7/7a/Manchester_United_FC_crest.svg/190px-Manchester_United_FC_crest.svg.png" width = "400" height="400" usemap="#workmap">
```

```
<a href="9.html"><img src =
```

```
"https://upload.wikimedia.org/wikipedia/commons/thumb/a/a8/Old_Trafford_WV_banner.jpg/1200px-Old_Trafford_WV_banner.jpg" width="300" height="600"></a>
```

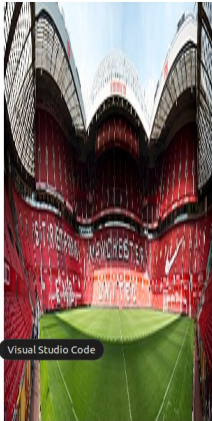
```
<map name="workmap">
```

```
<area shape="rect" coords="34,44,270,350" href="9.html">
```

```

        <area shape="rect" coords="290,172,333,250" href="10.html">
    </map>
</body>
</html>

```



12)

Creating a simple table :

- ✧ Setting the dimension of a table
- ✧ Specify the table caption
- ✧ Tables with borders
- ✧ Using cell padding, cell spacing, row span, column span attributes

```

<!DOCTYPE html>
<html>
  <body>
    <table style="width:500px;padding:10px;word-spacing:10px;"
border="1">
      <caption>Details</caption>
      <tr style="height: 200px">
        <th> Name </th>
        <th colspan="3"> Mobile Number </th>
      </tr>
      <tr style="height:100px">
        <td> John </td>
        <td> 7673916996 </td>

```

```

</tr>
<tr style="height:50px">
  <td> Joe </td>
  <td> 6300961913 </td>
</tr>
</table>
</body>
</html>

```

Details	
Name	Mobile Number
John	7673916996
Joe	6300961913

13)

Making your own lists :

☛ Unordered, Ordered and definition list

```

<!DOCTYPE html>
<html>
  <body>
    <ul style="list-style-type:square ;">
      <li> John</li>
      <li> Joe </li>
    </ul>
    <ol>
      <li> John </li>
      <li> Joe </li>
    </ol>
    <dl style="list-style-type:circle;">
      <dt>John</dt>

```

```

        <dd>TDL</dd>
        <dt>Joe</dt>
        <dd>PB</dd>
    </dl>
</body>
</html>

```

```

    • John
    • Joe
    1. John
    2. Joe
John
TDL
Joe
PB

```

14)

Creating a simple form :

- ✧ Using Text input field
- ✧ Creating password input field
- ✧ Checkboxes and radio buttons
- ✧ Drop down list
- ✧ Select box with preselected value
- ✧ Text area
- ✧ Creating buttons (Show the usage of submit and reset buttons)
- ✧ Grouping similar form fields

```
<!DOCTYPE html>
```

```
<html>
```

```
  <body>
```

```
    <form action="/home/Student/Pictures/ew.jpg">
```

```
      <fieldset>
```

```
        <label>Username</label><br>
```

```
        <input type="text"><br>
```

```

<label>Password</label><br>
<input type="password"><br>
<label>Student</label>
<input type="checkbox">
<label>Teacher</label>
<input type="checkbox"><br>
<label>Browse Anonymous</label>
<input type="radio"><br>
<label>Browse Unsafe</label>
<input type="radio"><br>
<label>Select a Website</label><br>
<select>
  <option selected></option>
  <option>Google</option>
  <option>Facebook</option>
  <option>Instagram</option>
</select><br>
<input type="submit" value="Submit">
<input type="reset" value="Reset"><br>
</fieldset>
<textarea>
  Hello Welcome to this Bad Website
</textarea><br>
</form>
</body>
</html>

```

15)

Making the HTML5 page more stylish using CSS

- ✧ Using inline style - style attribute
- ✧ Using embedded style
- ✧ Link to an external style sheet – Link element

```
<!DOCTYPE html>
```

```
<head>
```

```
  <link rel="stylesheet"
```

```
  href="https://cdn.jsdelivr.net/npm/bootstrap@3.3.7/dist/css/bootstrap.min.css">
```

```
</head>
```

```
<body>
```

```
  <h1 style="color:blue">Blue Paragraph</h1>
```

```
  <h2 style="color:brown">Brown Paragraph</h2>
```

```
  <h4>Styled by Bootstrap</h4>
```

```
</body>
```

```
</html>
```

Blue Paragraph

Brown Paragraph

Styled by Bootstrap

16)

HTML5 Canvas

- ✧ Embedding canvas into an HTML document
- ✧ Drawing a line, circle, rectangle, arc onto the canvas
- ✧ Filling the colour into shapes on canvas ✧ Filling linear and radial gradient inside canvas shapes
- ✧ Setting the stroke colour and width on canvas.


```
<!DOCTYPE html>
<body>
  <canvas id="myCanvas" height="100vh" width="100vw"></canvas>
  <script>
    const canvas = document.querySelector("canvas");
    const ctx = canvas.getContext("2d");

    ctx.beginPath();
    const grd = ctx.createLinearGradient(0, 50, 200, 0);
    grd.addColorStop(0, "red");
    grd.addColorStop(1, "green");

    ctx.arc(100, 75, 50, 0, 2 * Math.PI);
    ctx.fillStyle = grd;
    ctx.fill();
    ctx.moveTo(0, 0);
    ctx.lineTo(200, 100);
    ctx.stroke();
    ctx.fillRect(100, 50, 150, 100);
    ctx.arc(150, 100, 50, 0, Math.PI / 2);
    ctx.stroke();
  </script>
</body>
</html>
```

