HTML (LAB)

5) a. Write a program to demonstrate the various ways you can reference a color in CSS.

```
<!DOCTYPE html>
<head>
    <title>CSS Color References</title>
    <style>
        .hex-color {
            background-color: #3498db;
            color: white;
            padding: 10px;
        }
        .rgb-color {
            background-color: rgb(46, 204, 113);
            color: black;
            padding: 10px;
        }
        .rgba-color {
            background-color: rgba(241, 196, 15, 0.8);
            color: black;
            padding: 10px;
        }
        .hsl-color {
            background-color: hsl(120, 75%, 60%);
            color: white;
            padding: 10px;
        }
        .named-color {
            background-color: violet;
            color: black;
            padding: 10px;
        }
    </style>
</head>
```

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```
<body>

    <div class="hex-color">Hexadecimal Color</div>

    <div class="rgb-color">RGB Color</div>

    <div class="rgba-color">RGBA Color</div>

    <div class="hsl-color">HSL Color</div>

    <div class="named-color">Named Color</div>

</body>


</html>
```

OUTPUT:

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5) b. Write a CSS rule that places a background image halfway down the page, tilking it horizontally. The image should remain in place when the user scrolls up or down.

```
<!DOCTYPE html>
<head>
    <title>Fixed Background Image</title>
    <style>
        body {
            height: 200vh;
            /* Makes the page scrollable for demonstration */
            margin: 0;
            background-image: url('funnyimage.jpg');
            /* Replace with your image path */
            background-size: cover;
            /* Ensures the image covers the entire screen */
            background-repeat: no-repeat;
            /* Prevents tiling */
            background-position: center;
            /* Centers the image */
            background-attachment: fixed;
            /* Fixes the image in place during scroll */
        }
    </style>
</head>

<body>
    <h1>Fixed Background Image Example</h1>
    <p>Scroll the page to see the effect.</p>
</body>

</html>
```

OUTPUT:

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5) c. Write a program using the following terms related to CSS font and text:

    1. font-size , ii. font-weight ,   iii. font-style ,   iv. text-decoration ,   v. text-transformation

    vi. text-alignment

```html
<!DOCTYPE html>
<head>
    <title>CSS Font and Text Properties</title>
    <style>
        .example-text {
            font-size: 24px;
            /* Sets the size of the font */
            font-weight: bold;
            /* Sets the font weight */
            font-style: italic;
            /* Sets the font style */
            text-decoration: underline;
            /* Adds an underline to the text */
            text-transform: uppercase;
            /* Transforms text to uppercase */
            text-align: center;
            /* Aligns text to the center */
            margin: 20px;
            /* Adds space around the text */
            padding: 10px;
            /* Adds space inside the text container */
            background-color: lightgray;       }
    </style>  </head>
<body>
    <div class="example-text">
        CSS Font and Text Properties Example
    </div>
</body>  </html>
```

OUTPUT:

HTML (LAB)

5) d. Write a program, to explain the importance of CSS Box model using

      i. Content , ii. Border , i i i. Margin , iv. Padding .

```html
<!DOCTYPE html>
<head>
  <title>CSS Box Model Example</title>
  <style>
    .box {
      width: 300px;
      /* Content area width */
      height: 150px;
      /* Content area height */
      background-color: lightblue;
      /* Background for the content area */
      border: 10px solid navy;
      /* Border around the content */
      padding: 20px;
      /* Space between the content and the border */
      margin: 30px;
      /* Space outside the border */
      box-sizing: border-box;
    }  box-container {
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      /* Center the box in the viewport */
    }   </style>
    </head>  <body>
    <div class="box-container">
        <div class="box">  This box demonstrates the CSS Box Model.    </div> </div>
    </body> </html>
```

OUTPUT: