

CCA-104: Web Technologies

ASSIGNMENT 4

Part 1

1. Write HTML and CSS for the layout shown, using div tags. The layout has the following structure:
 - A "Header" at the top.
 - A main section with "Navigation" on the left, "Content" in the center, and "Sidebar" on the right.
 - A "Footer" at the bottom.
2. Write HTML for the following table layout:
 - Headers: "H1," "H2," "H3" (top row).
 - First row: "C1," "C2" (under H1 and H2), and "C3" under H3.
 - Second row: "C4" under H3.

Answers:

1. HTML and CSS Layout with Divs

Here's the HTML and CSS for the given layout:

```
html
Copy code
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Layout with Div</title>
  <style>
    body {
      display: flex;
      flex-direction: column;
      align-items: center;
      font-family: Arial, sans-serif;
    }
    .header, .footer {
      width: 100%;
      text-align: center;
      padding: 10px;
      background-color: #f0f0f0;
    }
    .container {
      display: flex;
      width: 100%;
      margin: 10px 0;
    }
    . navigation, content, . sidebar {
```

```

        padding: 15px;
        border: 1px solid #ccc;
    }
    .navigation {
        width: 20%;
        background-color: #e0e0e0;
    }
    .content {
        width: 60%;
        background-color: #ffffff;
    }
    .sidebar {
        width: 20%;
        background-color: #e0e0e0;
    }
</style>
</head>
<body>

    <div class="header">Header</div>

    <div class="container">
        <div class="navigation">Navigation</div>
        <div class="content">Content</div>
        <div class="sidebar">Sidebar</div>
    </div>

    <div class="footer">Footer</div>

</body>
</html>

```

2. HTML Table Structure

Here's the HTML for the table:

```

html
Copy code
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Table Layout</title>
</head>
<body>

    <table border="1" cellpadding="10" cellspacing="0">
        <tr>
            <th>H1</th>
            <th>H2</th>
            <th>H3</th>
        </tr>
        <tr>
            <td>C1</td>
            <td>C2</td>
            <td rowspan="2">C3</td>
        </tr>
        <tr>

```

```

        <td colspan="2">C4</td>
    </tr>
</table>

</body>
</html>

```

PART 2

Q3. Write a Program to display count, from 5 to 15 using PHP loop as given below.

Answer:

Here's a simple PHP program to display the count from 5 to 15 using a for loop:

```

php
Copy code
<?php
for ($i = 5; $i <= 15; $i++) {
    echo $i. "<br>";
}
?>

```

This code will output numbers from 5 to 15, each on a new line.

Q4. Write a program in JavaScript for Unit Conversion from Kilometer (km) to Centimeter (cm). Use of message box is necessary.

Answer:

Here's a JavaScript program that converts kilometers to centimeters, displaying the result in a message box.

```

html
Copy code
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Kilometer to Centimeter Converter</title>
</head>
<body>

    <script>
        // Prompt the user to enter kilometers
        let kilometers = prompt ("Enter distance in kilometers:");

        // Convert kilometers to centimeters
        let centimeters = kilometers * 100000;

        // Display the result in an alert box
        alert (kilometers + " kilometers is equal to " + centimeters + " centimeters.");
    </script>

```

```
</body>  
</html>
```

In this JavaScript code:

1. The prompt function is used to get the input (distance in kilometers) from the user.
2. The conversion is performed by multiplying the input by 100,000 (since 1 km = 100,000 cm).
3. The alert function is used to display the result in a message box.
