

CCA-104-WEB TECHNOLOGY-ASSIGNMENT-4

Q1.HTML

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Simple Layout</title>

  <link rel="stylesheet" href="styles.css">

</head>

<body>

  <div class="container">

    <!-- Header -->

    <div class="header">

      <h1>Website Header</h1>

    </div>

    <!-- Navigation -->

    <div class="nav">

      <ul>

        <li><a href="#">Home</a></li>

        <li><a href="#">About</a></li>

        <li><a href="#">Services</a></li>

        <li><a href="#">Contact</a></li>

      </ul>

    </div>

    <!-- Main Content and Sidebar -->

    <div class="main-content">

      <div class="content">

        <h2>Main Content Area</h2>

        <p>This is the main content of the page.</p>

      </div>

    </div>

  </div>

</body>

</html>
```

```
</div>

<div class="sidebar">

  <h3>Sidebar</h3>

  <p>Additional links and information can go here.</p>

</div>

</div>

<!-- Footer -->

<div class="footer">

  <p>© 2025 Your Website. All rights reserved.</p>

</div>

</div>

</body>

</html>
```

CSS

```
/* Basic reset */

* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

/* Layout container */

.container {
  display: flex;
  flex-direction: column;
}

/* Header */

.header {
  background-color: #4CAF50;
  color: white;
```

```
    text-align: center;
    padding: 20px;
}

/* Navigation */
.nav {
    background-color: #333;
}

.nav ul {
    list-style: none;
    display: flex;
    justify-content: center;
    padding: 10px;
}

.nav ul li {
    margin: 0 15px;
}

.nav ul li a {
    color: white;
    text-decoration: none;
    font-size: 18px;
}

.nav ul li a:hover {
    color: #f0f0f0;
}

/* Main content layout */
.main-content {
    display: flex;
```

```
    justify-content: space-between;
    padding: 20px;
}
```

```
/* Content */
```

```
.content {
    flex: 1;
    background-color: #f4f4f4;
    padding: 20px;
    margin-right: 20px;
}
```

```
/* Sidebar */
```

```
.sidebar {
    width: 250px;
    background-color: #e7e7e7;
    padding: 20px;
}
```

```
/* Footer */
```

```
.footer {
    background-color: #333;
    color: white;
    text-align: center;
    padding: 10px;
    position: fixed;
    bottom: 0;
    width: 100%;
}
```

Q2. <!DOCTYPE html>

<html lang="en">

<head>

```
<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Table Example</title>

</head>

<body>


<table border="1">
    <thead>
        <tr>
            <th>H1</th>
            <th>H2</th>
            <th>H3</th>
        </tr>
    </thead>
    <tbody>
        <tr>
            <td>C1</td>
            <td>C2</td>
            <td>C3</td>
            <td>C4</td>
        </tr>
    </tbody>
</table>


</body>

</html>
```

PART-2

Q3. PHP Code:

```
<?php

// Using a for loop to display count from 5 to 15

for ($i = 5; $i <= 15; $i++) {

    echo $i . "<br>";
```

```
}  
?>
```

Explanation:

- The `for` loop starts with `$i = 5` and continues until `$i` reaches 15.
- The loop increments `$i` by 1 each time (`$i++`).
- `echo $i . "<br>";` is used to output the current value of `$i` followed by a line break (`<br>`) so each number appears on a new line.

When you run this PHP code, it will display:

```
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15
```

Q.4HTML + JavaScript Code:

```
<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
  
  <meta charset="UTF-8">  
  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">  
  
  <title>Unit Conversion: Kilometer to Centimeter</title>  
  
<script>  
  
  function convertKmToCm() {  
  
    // Get the value entered by the user  
  
    var kilometers = prompt("Enter the distance in kilometers:");  
  
  
  
    // Convert kilometers to centimeters
```

```
var centimeters = kilometers * 100000;

// Display the result in a message box
alert(kilometers + " kilometers is equal to " + centimeters + " centimeters.");
}
</script>
</head>
<body>
  <button onclick="convertKmToCm ()">Convert Km to Cm</button>
</body>
</html>
```

Explanation:

1. The user clicks the **Convert Km to Cm** button to trigger the conversion function.
2. The `convertKmToCm ()` function:
 - Prompts the user to enter a value in kilometres using the `prompt ()` function.
 - Converts the kilometers to centimeters by multiplying the input by 100,000 (since 1 km = 100,000 cm).
 - Displays the result in a message box using the `alert ()` function.

How to Use:

- When you open the HTML page in a browser, click the "Convert Km to Cm" button.
- A message box will prompt you to enter a value in kilometers.
- After you enter the value, another message box will display the result in centimeters.