

Q1. Write html and css for the following using div

Header		
Navigation	Content	Sidebar
Footer		

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Layout Example</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="container">
    <div class="header">
      Header
    </div>
    <div class="navigation">
      Navigation
    </div>
    <div class="content">
      Content
    </div>
    <div class="sidebar">
      Sidebar
    </div>
    <div class="footer">
      Footer
    </div>
  </div>
</body>
</html>
```

CSS

```
body, html {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  height: 100%;
}

.container {
  display: grid;
```

```
grid-template-areas:
  "header header header"
  "navigation content sidebar"
  "footer footer footer";
grid-template-columns: 1fr 2fr 1fr;
grid-template-rows: auto 1fr auto;
height: 100vh;
}

.header {
  grid-area: header;
  background-color: #f0f0f0;
  text-align: center;
  padding: 10px;
}

.navigation {
  grid-area: navigation;
  background-color: #e0e0e0;
  padding: 10px;
}

.content {
  grid-area: content;
  background-color: #d0d0d0;
  padding: 10px;
}

.sidebar {
  grid-area: sidebar;
  background-color: #c0c0c0;
  padding: 10px;
}

.footer {
  grid-area: footer;
  background-color: #b0b0b0;
  text-align: center;
  padding: 10px;
}
```

Q 2. Write html for the following table

H1	H2	H3
C1	C2	
	C3	C4

ANS:-

```
<!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>
  <style>
    table, th, td {
      border: 1px solid black;
      border-collapse: collapse;
      text-align: center;
      padding: 10px;
    }
  </style>
</head>
<body>

<table>
  <tr>
    <th>H1</th>
    <th>H2</th>
    <th>H3</th>
  </tr>
  <tr>
    <td rowspan="2">C1</td>
    <td colspan="2">C2</td>
  </tr>
  <tr>
    <td>C3</td>
    <td>C4</td>
  </tr>
</table>

</body>
</html>
```

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

ANS:-

```
<?php
// Using a for loop to count from 5 to 15
for ($i = 5; $i <= 15; $i++) {
  echo $i . "<br>";
}
?>
```

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

ANS:-

```
<!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 Conversion</title>
  <script type="text/javascript">
    function convertKmToCm() {
      // Prompt the user to enter a value in kilometers
      var kilometers = prompt("Enter value in kilometers:");

      // Convert the value to a number
      kilometers = parseFloat(kilometers);

      // Check if the input is a valid number
      if (!isNaN(kilometers)) {
        // Convert kilometers to centimeters
        var centimeters = kilometers * 100000;

        // Display the result in a message box (alert)
        alert(kilometers + " kilometers is equal to " + centimeters + " centimeters.");
      } else {
        // Display an error message if the input is not a valid number
        alert("Please enter a valid number.");
      }
    }
  </script>
</head>
<body>
  <button onclick="convertKmToCm()">Convert Kilometers to Centimeters</button>
</body>
</html>
```