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# Week 1: HTML and CSS Basics

## Lab Exercises:

Q1) Write a simple poem and represent it as a web page. Give a title for the poem. Make rhyming words in the poem as bold.

*Code:*

```
<!DOCTYPE html>
<html>
<head>
    <title>Whispers of the Night</title>
    <style>
        body {
            background-color: #f4f4f4;
            font-family: Georgia, serif;
            padding: 40px;
        }
        h1 {
            text-align: center;
            color: #333;
        }
        p {
            font-size: 18px;
            line-height: 1.6;
            text-align: center;
        }
        .rhyme {
            font-weight: bold;
        }
    </style>
</head>

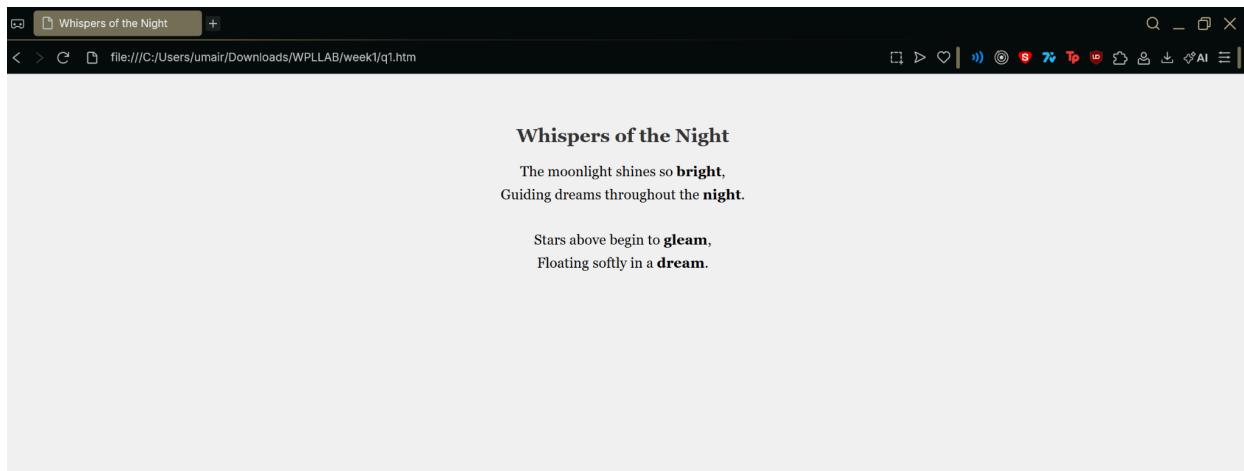
<body>
```

```
<h1>Whispers of the Night</h1>

<p>
    The moonlight shines so <span class="rhyme">bright</span>,<br>
    Guiding dreams throughout the <span
    class="rhyme">night</span>.<br><br>
    Stars above begin to <span class="rhyme">gleam</span>,<br>
    Floating softly in a <span class="rhyme">dream</span>.
</p>

</body>
</html>
```

*Output:*



Q2) Assume you have brought a new car. Write down the list of additional accessories you need for the car as an unordered list in HTML. Also, list the travel plans on the car as an ordered list.

*Code:*

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>My New Car - Accessories & Travel Plans</title>
    <style>
        body {
            font-family: "Segoe UI", Arial, sans-serif;
            background-color: #f5f7fa;
            margin: 0;
            padding: 40px;
            color: #333;
        }

        .container {
            max-width: 700px;
            margin: auto;
            background: #ffffff;
            padding: 30px;
            border-radius: 10px;
            box-shadow: 0 8px 20px rgba(0, 0, 0, 0.08);
        }

        h1 {
            text-align: center;
            color: #1f3c88;
            margin-bottom: 30px;
        }

        h2 {
            color: #444;
            border-bottom: 2px solid #e0e0e0;
            padding-bottom: 8px;
            margin-top: 25px;
        }
    </style>

```

```
ul, ol {
    margin-top: 15px;
    padding-left: 25px;
    font-size: 16px;
    line-height: 1.7;
}

ul li {
    list-style-type: disc;
}

ol li {
    list-style-type: decimal;
}

footer {
    text-align: center;
    margin-top: 30px;
    font-size: 14px;
    color: #777;
}
</style>
</head>

<body>

<div class="container">

    <h1>My New Car</h1>

    <h2>Additional Accessories</h2>
    <ul>
        <li>Seat covers</li>
        <li>Dashboard camera</li>
        <li>Car vacuum cleaner</li>
        <li>Mobile phone holder</li>
        <li>Sunshades</li>
    </ul>

    <h2>Travel Plans</h2>
```

```

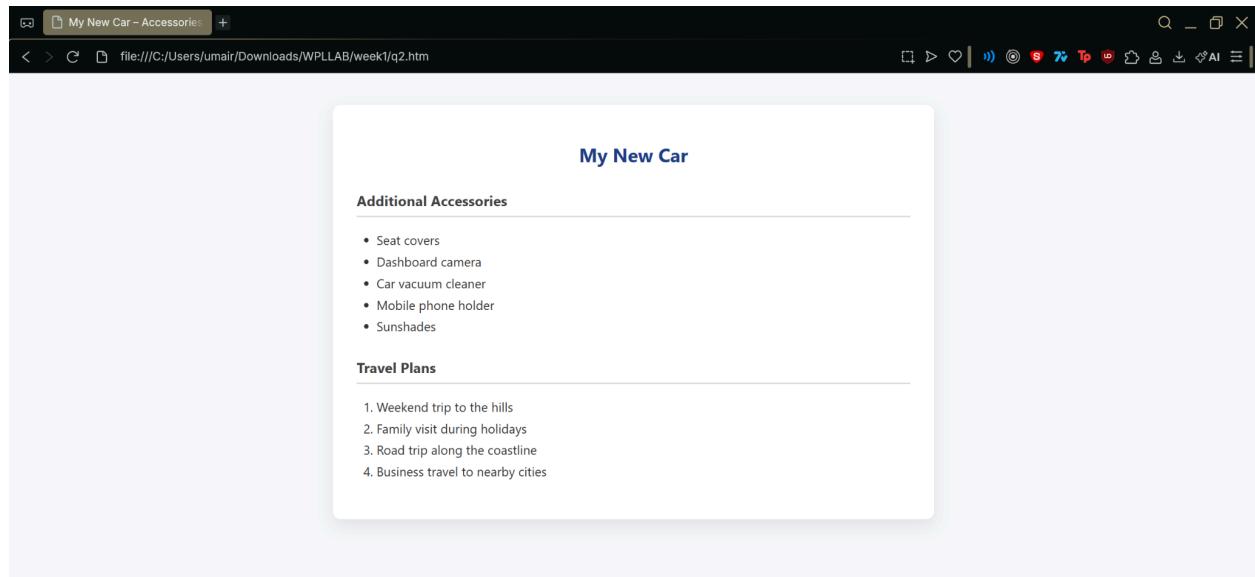
<ol>
    <li>Weekend trip to the hills</li>
    <li>Family visit during holidays</li>
    <li>Road trip along the coastline</li>
    <li>Business travel to nearby cities</li>
</ol>

</div>

</body>
</html>

```

*Output:*



Q3)

*Code:*

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Share Your Travels</title>
    <style>
        body {
            margin: 0;
            font-family: Arial, sans-serif;
            background: linear-gradient(#6d78c6, #d9d9f3);
            min-height: 100vh;
        }

        /* Header */
        header {
            background: repeating-linear-gradient(
                45deg,
                #0b1d3a,
                #0b1d3a 10px,
                #1f3c88 10px,
                #1f3c88 20px
            );
            color: white;
            padding: 15px 30px;
            font-size: 24px;
            font-weight: bold;
            font-family: sans-serif, cursive;
        }

        /* Section title */
        .section-title {
            color: white;
            font-size: 20px;
            margin: 25px 40px;
            font-family: sans-serif, cursive;
        }
    </style>
</head>
<body>
    <header>
        <h1>Share Your Travels</h1>
    </header>
    <div>
        <h2>Recent Travels</h2>
        <ul>
            <li>Travel to Paris</li>
            <li>Travel to New York</li>
            <li>Travel to London</li>
            <li>Travel to Tokyo</li>
            <li>Travel to Sydney</li>
        </ul>
    </div>
    <div>
        <h2>Upcoming Travels</h2>
        <ul>
            <li>Travel to Berlin</li>
            <li>Travel to Rome</li>
            <li>Travel to Mexico City</li>
            <li>Travel to Cape Town</li>
            <li>Travel to Seoul</li>
        </ul>
    </div>
</body>
</html>
```

```
/* Gallery */
.gallery {
    display: flex;
    justify-content: center;
    gap: 40px;
    padding-bottom: 40px;
}

.card {
    background: #ffffff;
    width: 280px;
    padding: 10px;
    box-shadow: 0 6px 15px rgba(0,0,0,0.3);
}

.card video,
.card img {
    width: 100%;
    height: 160px;
    background: black;
}

.caption {
    font-size: 13px;
    color: #555;
    margin-top: 8px;
}

```

</style>

</head>

<body>

<!-- Header -->

<header>

Share Your Travels

</header>

<!-- Section -->

<div class="section-title">

HTML5 Video

</div>

```
<!-- Gallery -->
<div class="gallery">

    <div class="card">
        <video controls>
            <source src="video1.mp4" type="video/mp4">
        </video>
        <div class="caption">
            Louvre Museum, Paris, France
        </div>
    </div>

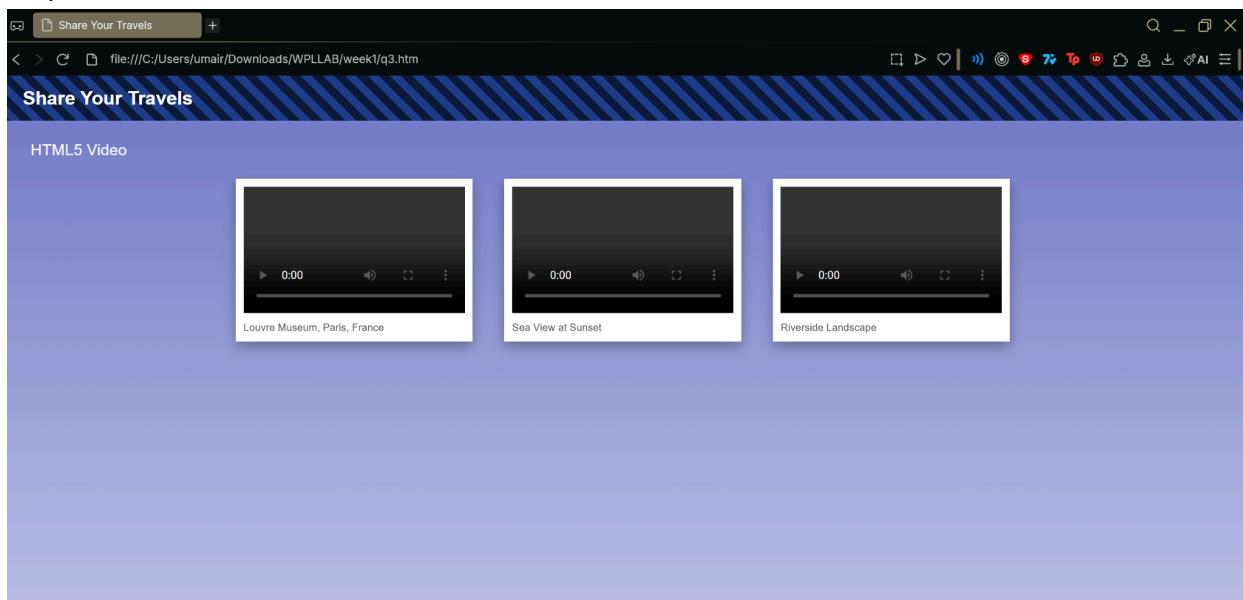
    <div class="card">
        <video controls>
            <source src="video2.mp4" type="video/mp4">
        </video>
        <div class="caption">
            Sea View at Sunset
        </div>
    </div>

    <div class="card">
        <video controls>
            <source src="video3.mp4" type="video/mp4">
        </video>
        <div class="caption">
            Riverside Landscape
        </div>
    </div>

</div>

</body>
</html>
```

**Output:**



## Additional Exercises:

Q1) Create the following output in HTML.

*Code:*

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Population Table</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f5f5f5;
            padding: 30px;
        }

        table {
            border-collapse: collapse;
            margin: auto;
            width: 600px;
            text-align: center;
            font-size: 18px;
        }

        th, td {
            border: 2px solid #000;
            padding: 10px;
            text-align: center;
        }

        th {
            background-color: red;
            color: black;
            font-weight: bold;
            text-align: center;
        }

        .country {
```

```
background-color: #ffe6a1;
font-weight: bold;
width: 150px;
}

.year {
    background-color: #a9c2e6;
    width: 200px;
}

.population {
    background-color: #b7d7a8;
    width: 200px;
    font-weight: bold;
}

```

</style>

</head>

<body>

```
<table>
    <tr>
        <th>Country</th>
        <th colspan="2">Population (in Crores)</th>
    </tr>

    <!-- INDIA -->
    <tr>
        <td class="country" rowspan="3">INDIA</td>
        <td class="year">1998</td>
        <td class="population">85</td>
    </tr>
    <tr>
        <td class="year">1999</td>
        <td class="population">90</td>
    </tr>
    <tr>
        <td class="year">2000</td>
        <td class="population">100</td>
    </tr>

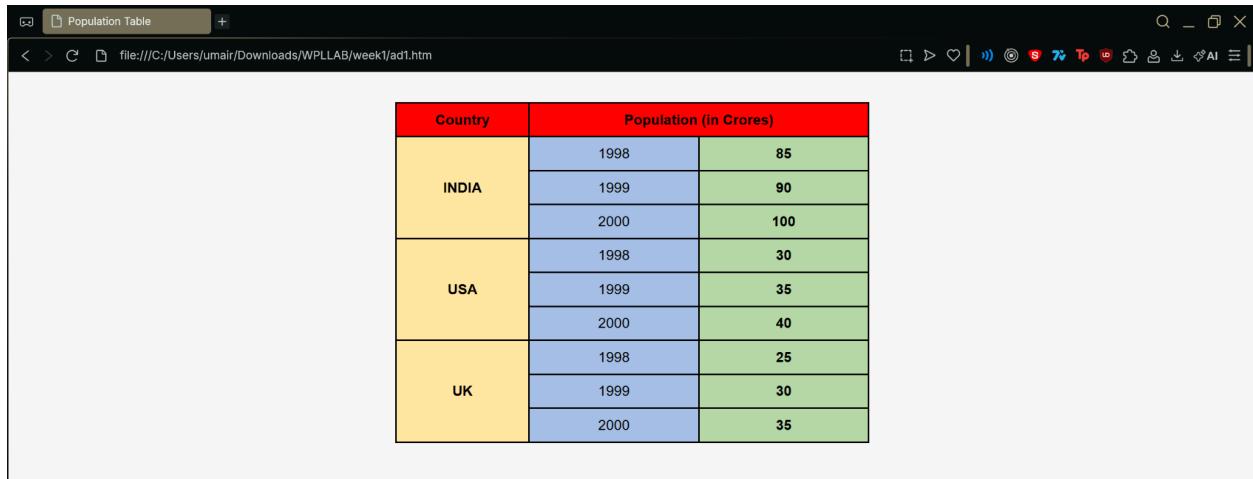
```

```
<!-- USA -->
<tr>
  <td class="country" rowspan="3">USA</td>
  <td class="year">1998</td>
  <td class="population">30</td>
</tr>
<tr>
  <td class="year">1999</td>
  <td class="population">35</td>
</tr>
<tr>
  <td class="year">2000</td>
  <td class="population">40</td>
</tr>

<!-- UK -->
<tr>
  <td class="country" rowspan="3">UK</td>
  <td class="year">1998</td>
  <td class="population">25</td>
</tr>
<tr>
  <td class="year">1999</td>
  <td class="population">30</td>
</tr>
<tr>
  <td class="year">2000</td>
  <td class="population">35</td>
</tr>
</table>

</body>
</html>
```

*Output:*



A screenshot of a web browser window titled "Population Table". The address bar shows the file path: "file:///C:/Users/umair/Downloads/WPLLAD/week1/ad1.htm". The browser interface includes standard navigation buttons (back, forward, search) and a toolbar with various icons.

Country	Population (in Crores)	
	1998	1999
INDIA	85	90
	100	
	30	35
USA	40	
	25	30
UK	35	

Q2) Create an array of JavaScript objects for the data in question 1 and display each row in the table form through JavaScript code.

*Code:*

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Population Table (JavaScript)</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            padding: 30px;
        }

        table {
            border-collapse: collapse;
            margin: auto;
            width: 600px;
            text-align: center;
            font-size: 18px;
        }

        th, td {
            border: 2px solid black;
            padding: 10px;
        }

        th {
            background-color: red;
            font-weight: bold;
        }

        .country {
            background-color: #ffe6a1;
            font-weight: bold;
        }

        .year {
```

```
        background-color: #a9c2e6;
    }

    .population {
        background-color: #b7d7a8;
        font-weight: bold;
    }

```

</style>

</head>

<body>

<table id="populationTable">

<thead>

<tr>

<th>Country</th>

<th colspan="2">Population (in Crores)</th>

</tr>

</thead>

<tbody>

<!-- Rows will be inserted here by JavaScript -->

</tbody>

</table>

<script>

```
const populationData = [
    { country: "INDIA", year: 1998, population: 85 },
    { country: "INDIA", year: 1999, population: 90 },
    { country: "INDIA", year: 2000, population: 100 },

    { country: "USA", year: 1998, population: 30 },
    { country: "USA", year: 1999, population: 35 },
    { country: "USA", year: 2000, population: 40 },

    { country: "UK", year: 1998, population: 25 },
    { country: "UK", year: 1999, population: 30 },
    { country: "UK", year: 2000, population: 35 }
];
```

const tableBody = document.querySelector("#populationTable tbody");

```
let previousCountry = "";

populationData.forEach((item, index) => {
    const row = document.createElement("tr");

    if (item.country !== previousCountry) {
        const countryCell = document.createElement("td");
        countryCell.textContent = item.country;
        countryCell.className = "country";
        countryCell.rowSpan = 3;
        row.appendChild(countryCell);
        previousCountry = item.country;
    }

    const yearCell = document.createElement("td");
    yearCell.textContent = item.year;
    yearCell.className = "year";

    const popCell = document.createElement("td");
    popCell.textContent = item.population;
    popCell.className = "population";

    row.appendChild(yearCell);
    row.appendChild(popCell);

    tableBody.appendChild(row);
});

</script>

</body>
</html>
```

**Output:**

A screenshot of a web browser window titled "Population Table (JavaScript)". The address bar shows the file path: "file:///C:/Users/umair/Downloads/WPLLAB/week1/ad2.htm". The browser interface includes standard navigation buttons (back, forward, search) and a toolbar with various icons.

Country	Population (in Crores)	
INDIA	1998	85
	1999	90
	2000	100
USA	1998	30
	1999	35
	2000	40
UK	1998	25
	1999	30
	2000	35