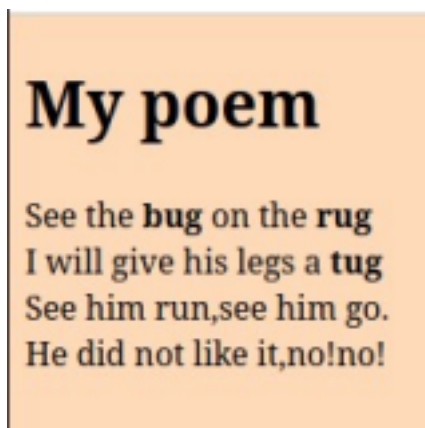


Q1. Write a simple poem and represent it as a web page. Give a title for the poem. Make rhyming words in the poem as bold.

Code:

```
<!DOCTYPE html>
<html>
<head>
<title> Web Programming Lab 1</title>
</head>
<body style="background-color:peachpuff ;">
<h1>My poem</h1>
<p>See the <b>bug</b> on the <b>rug</b><br>
I will give his legs a <b>tug</b><br>
See him run,see him go.<br>
He did not like it,no!no!</p><br>
</body>
</html>
```

Output:



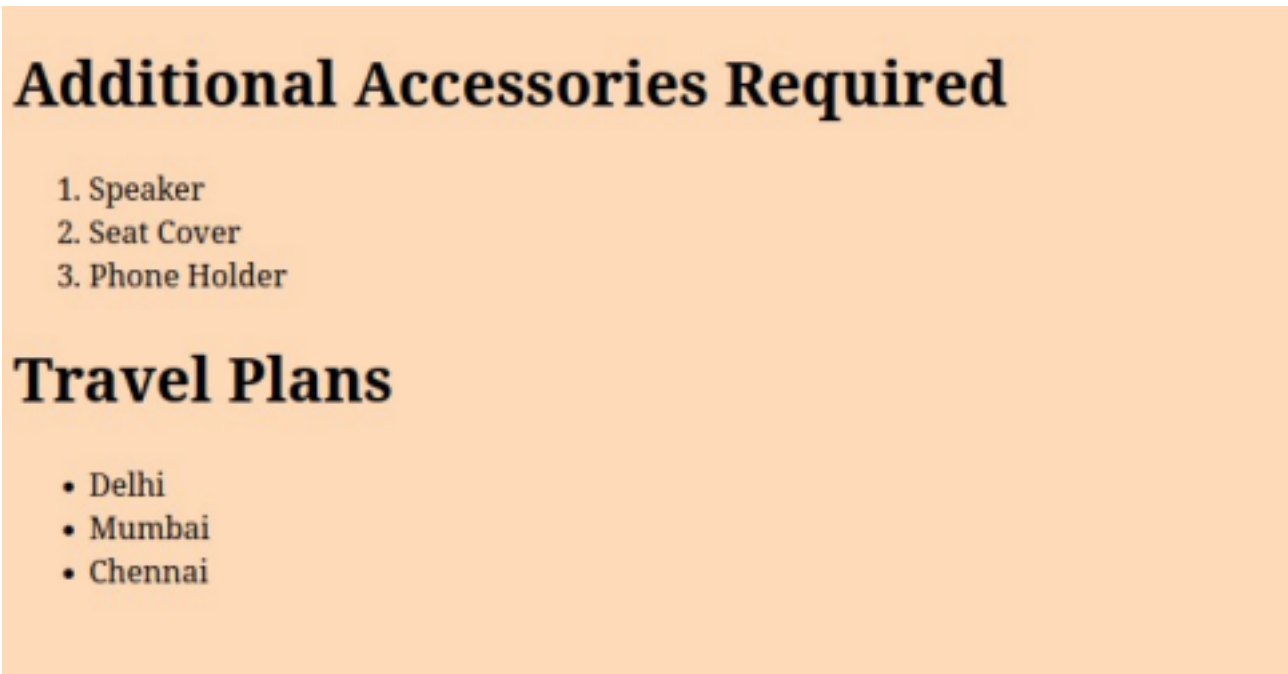
Q2. Assume you have brought a new car. Write down the list of additional accessories you need for the car as an unordered list in HTML. Also, list the travel plans on the car as an ordered list.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,
initial-scale=1.0"> <title>Car Check List</title>
</head>
<body style="background-color: peachpuff;">
<h1>Additional Accessories Required</h1>
<ol>
<li>Speaker</li>
<li>Seat Cover</li>
<li>Phone Holder</li>
</ol>
<h1>Travel Plans</h1>
<ul>
<li>Delhi</li>
```

```
<li>Mumbai</li>
<li>Chennai</li>
</ul>
</body>
</html>
```

Output:



Q3.

3. Complete the following website name “Share your Winter Vacation Videos”.  
The required video files are located inside the compressed folder “Week 1  
Assignment Files/Media/”.

Code:

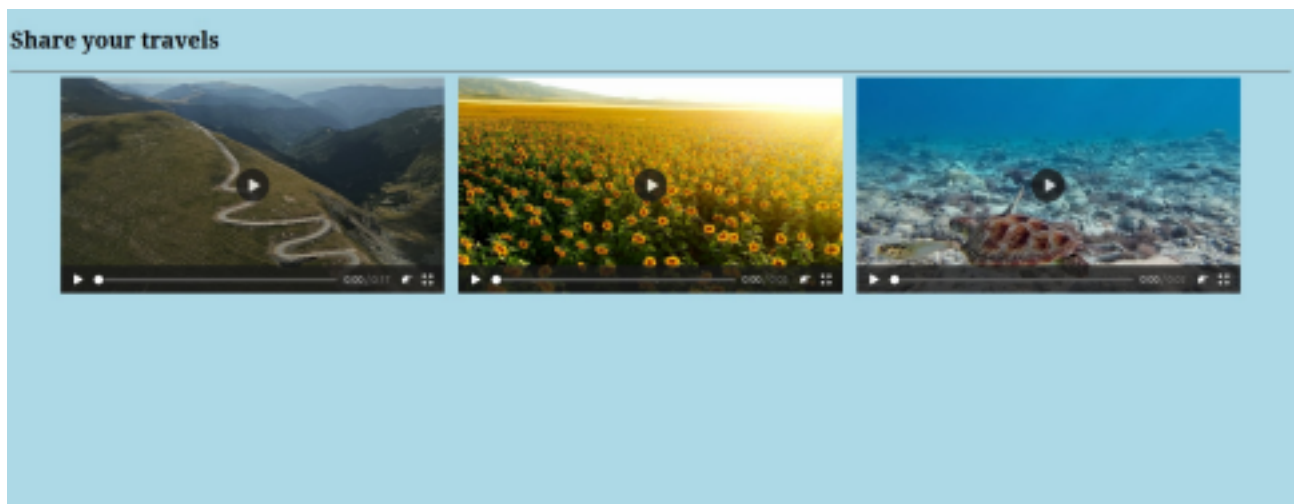
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,
initial-scale=1.0"> <title>Share your winter vacation videos</title>
<style>
.vid{
display: flex;
justify-content: center;
gap: 20px;
}
video {
width: 30%;
}
</style>
</head>
<body style="background-color: lightblue;">
<h1>Share your travels</h1>
```

```

<hr>
<div class="vid">
<video controls>
<source src="241802_small.mp4" type="video/mp4">
</video>
<video controls>
<source src="249475_small.mp4" type="video/mp4">
</video>
<video controls>
<source src="244754_small.mp4" type="video/mp4">
</video>
</div>
</body>
</html>

```

Output:



Q4

Create the following output in HTML

Code:

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

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,

```

```

initial-scale=1.0"> <title>Country Population Table</title>
<style>
table, th, td {
border: 1px solid black;
border-collapse: collapse;
}
th, td {
padding: 15px;
text-align: center;
}
table {
width: 80%;
margin: 20px auto;
}
th {
background-color: red;
color: white;
}
.country {
background-color: yellow;
text-align: center;
}
.year {
background-color: mediumblue;
color: white;
text-align: right;
}
.population {
background-color: lightgreen;
text-align: right;
}
</style>
</head>
<body>

<table>
<tr>
<th>Country</th>
<th colspan="2">Population (In Crores)</th>
</tr>
<tr>
<td rowspan="3" class="country">India</td>
<td class="population">1998</td>
<td class="year">85</td>
</tr>
<tr>
<td class="population">1999</td>
<td class="year">90</td>
</tr>
<tr>
<td class="population">2000</td>
<td class="year">100</td>
</tr>
<tr>

```

```

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

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

</body>
</html>

```

Output:

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

Q5. Create an array of Javascript objects for the data in question 4 and display each row in the table form through Javascript code

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Dynamic Table with Population Data</title>
  <style>
    table {
      width: 60%;
      border-collapse: collapse;
      margin: 20px auto;
    }
    th, td {
      border: 1px solid black;
      padding: 8px;
      text-align: center;
    }
    th {
      background-color: red;
      color: white;
    }
    td {
      background-color: blue;
      color: white;
    }
    .population {
      background-color: greenyellow;
      color: black;
    }
    .country-cell {
      background-color: yellow;
      font-weight: bold;
    }
  </style>
</head>
<body>
  <h1 style="text-align: center;">Population Data Table</h1>
  <div id="table-container"></div>
  <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 }
    ];
```

```

function generateTable(data) {
  const table = document.createElement("table");

  // Create header row
  const headerRow = document.createElement("tr");
  const th1 = document.createElement("th");
  th1.textContent = "Country";
  headerRow.appendChild(th1);

  const th2 = document.createElement("th");
  th2.textContent = "Population in Crores";
  th2.colSpan = 2;
  headerRow.appendChild(th2);

  table.appendChild(headerRow);

  let currentCountry = "";

  data.forEach(row => {
    const tableRow = document.createElement("tr");

    if (row.country !== currentCountry) {
      const countryCell = document.createElement("td");
      countryCell.textContent = row.country;
      countryCell.rowSpan = 3;
      countryCell.classList.add('country-cell');
      tableRow.appendChild(countryCell);
      currentCountry = row.country;
    }

    const yearCell = document.createElement("td");
    yearCell.textContent = row.year;
    yearCell.style.backgroundColor = "blue";
    tableRow.appendChild(yearCell);

    const populationCell = document.createElement("td");
    populationCell.textContent = row.population;
    populationCell.classList.add('population');
    tableRow.appendChild(populationCell);

    table.appendChild(tableRow);
  });

  return table;
}

const tableContainer = document.getElementById("table-container");
const table = generateTable(populationData);
tableContainer.appendChild(table);
</script>

```

```
</body>
```

```
</html>
```

Output:

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