

Lab 1 — HTML and CSS Basics (Additional Questions)

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Additional Question 1

1. Create the following output in HTML

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Q1 Population Table</title>
  </head>
  <body>
    <h3>Population (in Crores)</h3>

    <table border="1" cellpadding="8">
      <tr bgcolor="red">
        <th>Country</th>
        <th>Year</th>
        <th>Population</th>
      </tr>

      <tr>
        <td bgcolor="lightyellow">India</td>
        <td bgcolor="lightblue">1998</td>
        <td bgcolor="lightgreen">85</td>
      </tr>
      <tr>
        <td bgcolor="lightyellow">India</td>
        <td bgcolor="lightblue">1999</td>
        <td bgcolor="lightgreen">90</td>
      </tr>
      <tr>
        <td bgcolor="lightyellow">India</td>
        <td bgcolor="lightblue">2000</td>
        <td bgcolor="lightgreen">100</td>
      </tr>

      <tr>
        <td bgcolor="lightyellow">USA</td>
        <td bgcolor="lightblue">1998</td>
```

```
    <td bgcolor="lightgreen">30</td>
  </tr>
  <tr>
    <td bgcolor="lightyellow">USA</td>
    <td bgcolor="lightblue">1999</td>
    <td bgcolor="lightgreen">35</td>
  </tr>
  <tr>
    <td bgcolor="lightyellow">USA</td>
    <td bgcolor="lightblue">2000</td>
    <td bgcolor="lightgreen">40</td>
  </tr>

  <tr>
    <td bgcolor="lightyellow">UK</td>
    <td bgcolor="lightblue">1998</td>
    <td bgcolor="lightgreen">25</td>
  </tr>
  <tr>
    <td bgcolor="lightyellow">UK</td>
    <td bgcolor="lightblue">1999</td>
    <td bgcolor="lightgreen">30</td>
  </tr>
  <tr>
    <td bgcolor="lightyellow">UK</td>
    <td bgcolor="lightblue">2000</td>
    <td bgcolor="lightgreen">35</td>
  </tr>
</table>
</body>
</html>
```

Population (in Crores)

Country	Year	Population
India	1998	85
India	1999	90
India	2000	100
USA	1998	30
USA	1999	35
USA	2000	40
UK	1998	25
UK	1999	30
UK	2000	35

Output:

Additional Question 2

2. 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>
  <head>
    <title>Population Table</title>
  </head>
  <body>
    <h3>Population (in Crores)</h3>

    <table border="1" cellpadding="8">
      <thead bgcolor="red">
        <tr>
          <th>Country</th>
          <th>Year</th>
          <th>Population</th>
        </tr>
      </thead>

      <tbody id="tableBody">
        <!-- Rows from JavaScript -->
```

```
</tbody>
</table>

<script>
var data = [
  { 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 },
];

var table = document.getElementById("tableBody");

for (var i = 0; i < data.length; i++) {
  var row =
    "<tr>" +
    "<td bgcolor='lightyellow'>" +
    data[i].country +
    "</td>" +
    "<td bgcolor='lightblue'>" +
    data[i].year +
    "</td>" +
    "<td bgcolor='lightgreen'>" +
    data[i].population +
    "</td>" +
    "</tr>";

  table.innerHTML += row;
}
</script>
</body>
</html>
```

Population (in Crores)

Country	Year	Population
India	1998	85
India	1999	90
India	2000	100
USA	1998	30
USA	1999	35
USA	2000	40
UK	1998	25
UK	1999	30
UK	2000	35

Output: