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Section: CSE A

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Week 1

A1. Create the following output in HTML

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

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Table</title>
  <link rel="stylesheet" href="additional.css">
  <script defer src="additional.js"></script>
</head>
<body>
  <table>
    <tr>
      <th>Country</th>
      <th>Year</th>
      <th>Population (in crores)</th>
    </tr>
    <tr>
      <td data-kind="parent" data-rs="3">INDIA</td>
      <td>1998</td>
      <td>85</td>
    </tr>
    <tr>
      <td data-kind="ghost"></td>
      <td>1999</td>
      <td>90</td>
    </tr>
    <tr>
      <td data-kind="ghost"></td>
      <td>2000</td>
      <td>100</td>
    </tr>
    <tr>
      <td data-kind="parent" data-rs="3">USA</td>
      <td>1998</td>
      <td>30</td>
    </tr>
    <tr>
      <td data-kind="ghost"></td>
      <td>1999</td>
      <td>35</td>
    </tr>
    <tr>
      <td data-kind="ghost"></td>
      <td>2000</td>
      <td>40</td>
    </tr>
    <tr>
      <td data-kind="parent" data-rs="3">UK</td>
      <td>1998</td>
      <td>25</td>
    </tr>
    <tr>
      <td data-kind="ghost"></td>
      <td>1999</td>
      <td>30</td>
    </tr>
    <tr>
      <td data-kind="ghost"></td>
      <td>2000</td>
      <td>35</td>
    </tr>
  </table>
</body>
</html>
```

```

</tr>
<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>
<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>
<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>

```

CSS:

```

table{
border-collapse: collapse;
width: 500px;

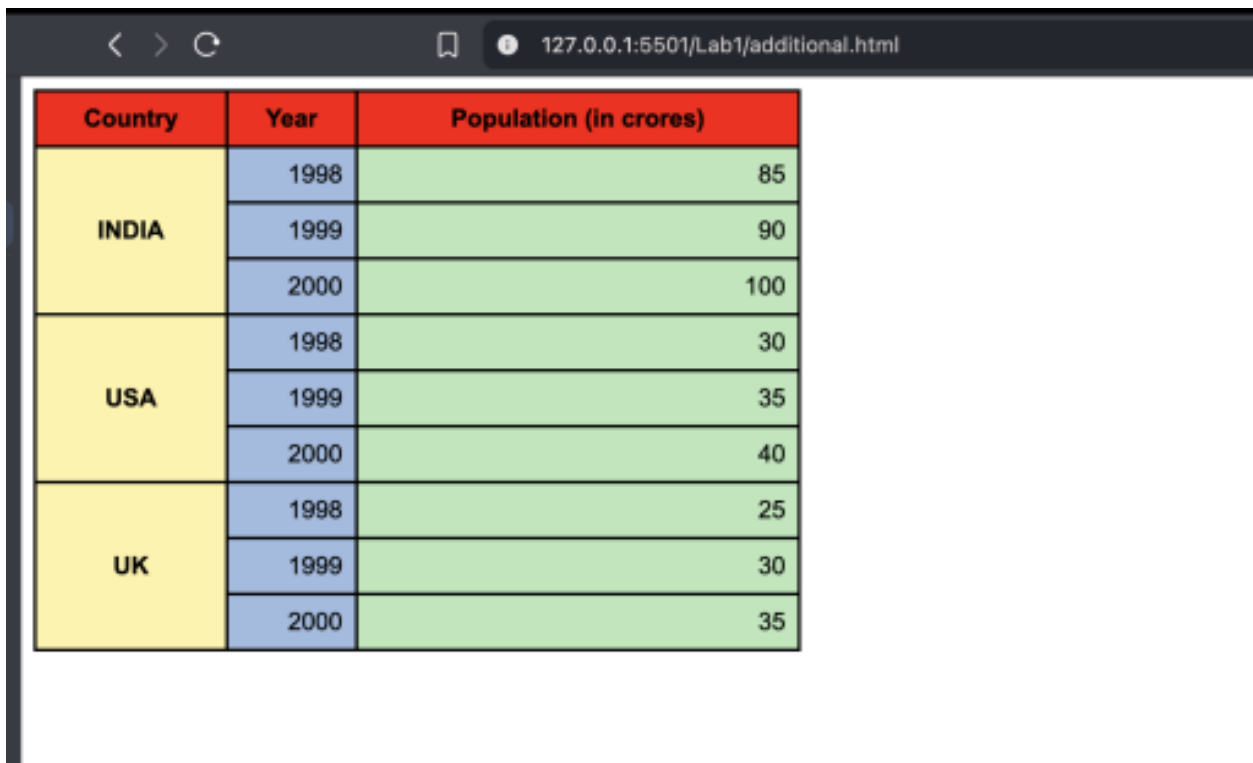
```

```

text-align: center;
font-family: Arial, Helvetica, sans-serif; }
th, td{
border: 2px solid black;
padding: 8px;
}
th{
background-color: red;
color:black;
}
.country{
background-color: #fff2a8;
font-weight: bold;
}
.year{
background-color: #9fbce0;
text-align: right;
}
.population{
background-color: #b9e6b9;
text-align: right;
}

```

Output:



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

A2. Create an array of JavaScript objects for the data in question 1 and display each row in the table form through JavaScript code

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Table</title>
  <link rel="stylesheet" href="additional.css">
  <script defer src="additional.js"></script>
</head>
<body>
  <table id="poptable">
    <tr>
      <th>Country</th>
      <th>Year</th>
      <th>Population (in crores)</th>
    </tr>
  </table>
</body>
</html>
```

CSS:

```
table{
border-collapse: collapse;
width: 500px;
text-align: center;
font-family: Arial, Helvetica, sans-serif; }
th, td{
border: 2px solid black;
padding: 8px;
}
th{
background-color: red;
color:black;
}
.country{
background-color: #fff2a8;
```

```

    font-weight: bold;
}
.year{
background-color: #9fbce0;
text-align: right;
}
.population{
background-color: #b9e6b9;
text-align: right;
}

```

JS:

```

const 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} ];
let rows = "";
for(let i = 0; i < data.length; i++){
    rows += "<tr>";
    if(i % 3 === 0){
        rows += `<td class="country" rowspan="3">${data[i].country}</td>`;
    }
    rows += `<td class="year">${data[i].year}</td><td
class="population">${data[i].population}</td>`;
    rows += `</tr>`;
}
document.getElementById("poptable").innerHTML += rows;
Output:

```

127.0.0.1:5501/Lab1/additional.html

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