Lab 1- Home Assignments

HTML and CSS Basics

A1.

```html
<html>
<head>
<title>Population Table</title>
</head>
<body>
<table border="1" width="70%" align="center" style="border-collapse: collapse;">
<tr bgcolor="red">
<th height="40">Country</th>
<th colspan="2">Population (in Crores)</th>
</tr>

<tr>
<th rowspan="3" bgcolor="LightGoldenrodYellow">INDIA</th>
<td bgcolor="lightblue" align="right">1998</td>
<td bgcolor="lightgreen" align="right">85</td>
</tr>
<tr>
<td bgcolor="lightblue" align="right">1999</td>
<td bgcolor="lightgreen" align="right">90</td>
</tr>
<tr>
<td bgcolor="lightblue" align="right">2000</td>
<td bgcolor="lightgreen" align="right">100</td>
</tr>

<tr>
<th rowspan="3" bgcolor="LightGoldenrodYellow">USA</th>
<td bgcolor="lightblue" align="right">1998</td>
<td bgcolor="lightgreen" align="right">30</td>
</tr>
<tr>
<td bgcolor="lightblue" align="right">1999</td>
<td bgcolor="lightgreen" align="right">35</td>
</tr>
<tr>
<td bgcolor="lightblue" align="right">2000</td>
<td bgcolor="lightgreen" align="right">40</td>
</tr>
```
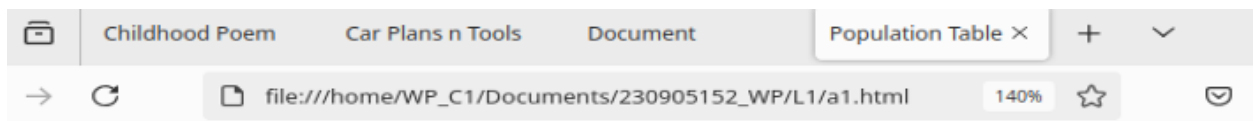
```
<tr>
<th rowspan="3" bgcolor="lightgoldenrodyellow">UK</th>
<td bgcolor="lightblue" align="right">1998</td>
<td bgcolor="lightgreen" align="right">25</td>
</tr>
<tr>
<td bgcolor="lightblue" align="right">1999</td>
<td bgcolor="lightgreen" align="right">30</td>
</tr>
<tr>
<td bgcolor="lightblue" align="right">2000</td>
<td bgcolor="lightgreen" align="right">35</td>
</tr>
</table>
</body>
</html>
```

Screenshot:

A2.

```
<!DOCTYPE html>
<html>
<head>
    <title>Home Assignment 2</title>
```

```html
</head>
<body>
    <h2 style="text-align:center;">Population Table via JavaScript</h2>

    <table id="popTable" border="1" width="70%" align="center" style="border-
collapse: collapse;">
        <thead>
            <tr bgcolor="red">
                <th height="40">Country</th>
                <th colspan="2">Population (in Crores)</th>
            </tr>
        </thead>
        <tbody id="tableBody">
            </tbody>
    </table>

    <script>
        const populationData = [
            { country: "INDIA", details: [{ year: 1998, pop: 85 }, { year: 1999,
pop: 90 }, { year: 2000, pop: 100 }] },
            { country: "USA",   details: [{ year: 1998, pop: 30 }, { year: 1999,
pop: 35 }, { year: 2000, pop: 40 }] },
            { country: "UK",    details: [{ year: 1998, pop: 25 }, { year: 1999,
pop: 30 }, { year: 2000, pop: 35 }] }
        ];

        const tbody = document.getElementById("tableBody");

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

                if (index === 0) {
                    let th = document.createElement("th");
                    th.rowSpan = item.details.length;
                    th.style.backgroundColor = "LightGoldenrodYellow";
                    th.innerText = item.country;
                    row.appendChild(th);
                }

                let tdYear = document.createElement("td");
                tdYear.style.backgroundColor = "lightblue";
                tdYear.align = "right";
```

```
            tdYear.innerText = info.year;
            row.appendChild(tdYear);

            let tdPop = document.createElement("td");
            tdPop.style.backgroundColor = "lightgreen";
            tdPop.align = "right";
            tdPop.innerText = info.pop;
            row.appendChild(tdPop);

            tbody.appendChild(row);
        });
    });
    </script>
</body>
</html>
```
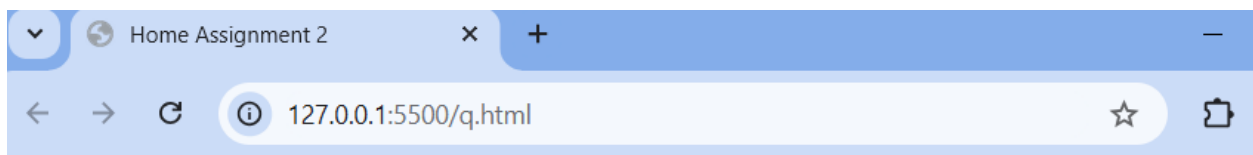
Screenshot: