

Lab 1- Home Assignments

HTML and CSS Basics

A1.

```
<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>

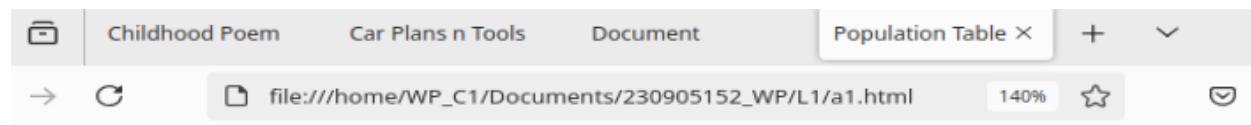
<tr>
<th rowspan="3" bgcolor="LightGoldenrodYellow">USA</th>
<td bgcolor="lightblue" align="right">1998</td>
<td bgcolor="lightgreen" align="right">30</td>
</tr>
<tr>
<td bgcolor="lightblue" align="right">1999</td>
<td bgcolor="lightgreen" align="right">35</td>
</tr>
<tr>
<td bgcolor="lightblue" align="right">2000</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:



The screenshot shows a web browser window with the title "Population Table". The address bar displays the URL "file:///home/WP_C1/Documents/230905152_WP/L1/a1.html". The page content is a table with three rows, each representing a country: India, USA, and UK. Each country row contains three data cells for the years 1998, 1999, and 2000, with population values in millions (85, 90, 100 for India; 30, 35, 40 for USA; and 25, 30, 35 for UK). The table has a red header row and yellow body rows.

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

A2.

```

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

```

```

</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";
            })
        })
    </script>

```

```

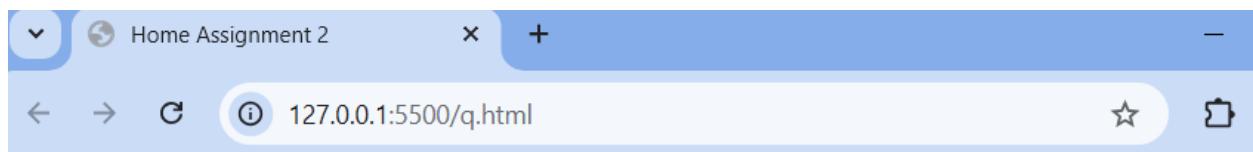
        tdYear.innerText = info.year;
        row.appendChild(tdYear);

        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:



Population Table via JavaScript

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