

Experiment - 1.2

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Subject Name: Back End Technologies

Subject Code: 22CAH-706

AIM OF THE PRACTICAL:

Store the data obtained in the experiment 1.1 in file and use that file in other program.

HTML CODE:

```
<!DOCTYPE html>

<html>

<head>

<title>Employee Salary</title>

<style>

body {
background-color:lightgray;

}
table {
border- collapse: collapse;
width: 80%; margin: 20px auto;
}
th, td {
border: 1px solid #dddddd;
text-align: left;
padding: 8px;
}
th {
background- color: #f2f2f2;
}
</style>
<script>
function showMaxSalary() {
let salaries = document.querySelectorAll("td[id^='sal ary']");
```

```
let maxSalary = -1;
for (let i = 0; i < salaries.length; i++)
{
let salaryValue = parseInt(salaries[i].innerText);

if (salaryValue > maxSalary) {
maxSalary = salaryValue;
}
}
if (maxSalary > -1) {
alert("Maximum Salary: " + maxSalary);
} else {
alert("No salary data available.");
}
}
</script>
</head>
<body>
<h2 style="text-align: center;">Employee Salary List</h2>
<button onclick="showMaxSalary()">Show Maximum Salary</button>
<table>

<tr>
<th>Sr._no.</th>
<th>ID</th>
<th>Name</th>
<th>Position</th>
<th>Salary</th>
</tr>

<tr>
<td>01</td>
<td>1011</td>
<td>Harshit</td>
<td>Manager</td>
<td id="salary1">80000</td>
</tr>

<tr>
<td>02</td>
<td>1012</td>
<td>Sumeet</td>
<td>Hr</td>
<td id="salary2">90000</td>
</tr>

<tr>
<td>03</td>
<td>1013</td>
<td>Shivani</td>
<td>Frontend Developer</td>
<td id="salary3">89000</td>
</tr>
```



```
<tr>
<td>04</td>
<td>1014</td>
<td>Sonia</td>
<td>Software Developer</td>
<td id="salary4">75000</td>
```

```
</tr>
```

```
<tr>
<td>05</td>
<td>1015</td>
<td>Sumit</td>
<td>Developer</td>
<td id="salary5">60000</td>
</tr>
```

```
<tr>
<td>06</td>
<td>1016</td>
<td>Michael Johnson</td>
<td>Designer</td>
<td id="salary6">55000</td>
</tr>
```

```
<tr>
<td>07</td>
<td>1017</td>
<td>Deepak</td>
<td>Manager</td>
<td id="salary7">50000</td>
</tr>
```

```
<tr>
<td>08</td>
<td>1018</td>
<td>Isha</td>
<td>Designer</td>
<td id="salary8">80000</td>
</tr>
</table>
</body>
</html>
```

Node JS CODE:

```
const fs = require('fs').promises; const http = require('http');
async function readFile(filePath) {
  try {
    const data = await fs.readFile(filePath);
    console.log(data.toString());
    const data1 = data.toString();
```

```
await fs.writeFile('main2.html', data1);
} catch (error) {
  console.error(`Got an error trying to read the file: ${error.message}`);
}
}

async function startHttpServer() {

  const server = http.createServer(async (req, res) =>
  {
    try {

      const data = await fs.readFile('experiment1.2.html');

      res.writeHead(200, { 'Content-Type': 'text/html' });

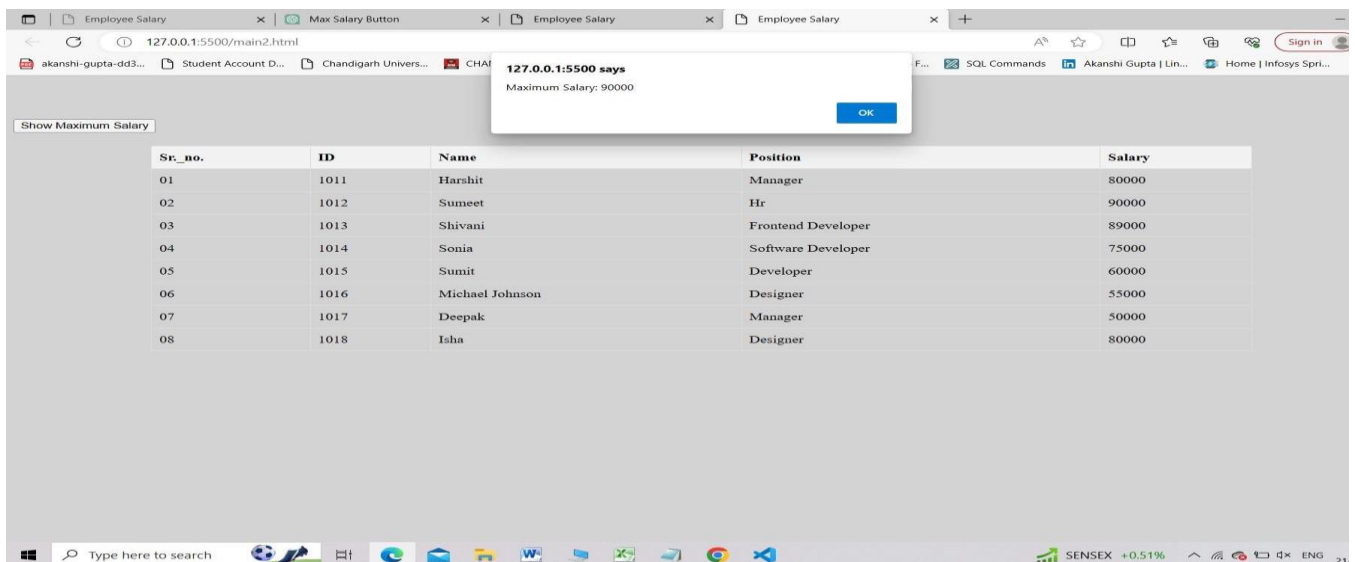
      res.end(data);
    } catch (error) {
      console.error(`Error while handling request: ${error.message}`);
      res.writeHead(500, { 'Content-Type': 'text/plain' });
      res.end('Internal Server Error');
    }
  });

  const PORT = 3001;

  server.listen(PORT, () => { console.log(`HTTP server is listening on port ${PORT}`);
  });
}

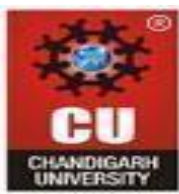
readFile('experiment1.html');
startHttpServer();
```

Output:



The screenshot shows a web browser window with multiple tabs. The active tab displays a table titled "Employee Salary". A modal dialog box is open, showing a message from "127.0.0.1:5500" stating "Maximum Salary: 90000". The table lists 8 employees with their IDs, names, positions, and salaries.

Sr_no.	ID	Name	Position	Salary
01	1011	Harshit	Manager	80000
02	1012	Sumeet	Hr	90000
03	1013	Shivani	Frontend Developer	89000
04	1014	Sonia	Software Developer	75000
05	1015	Sumit	Developer	60000
06	1016	Michael Johnson	Designer	55000
07	1017	Deepak	Manager	50000
08	1018	Isha	Designer	80000



Learning Outcomes:

1. I learned how to show maximum salary by using node js.
2. I learned how to read and write a file using node js.
3. I learned how to create a table in html.