EXPERIMENT NO.1

Student Name: Dibya Das   **UID:** 23MCA20052

Branch: MCA   **Section/Group:** 23MCA6-A

Semester: 3rd   **Date of Performance:** 23/07/24

Subject: Back End Technologies   **Subject Code:** 23CAH 705

- **Aim/Overview of the practical:**
  Create employee salary program using NodeJS.

- **Task to be done:**
  The code creates a Node.js HTTP server listening on port 8080. It serves a home page with a welcome message and a button that redirects to the /employee URL. When the /employee URL is accessed, it reads and serves the Employee.html file, displaying a table of employee details. For any other URLs, the server responds with a 404 Not Found error. The Employee.html file includes a styled table showing employee ID, name, email, phone, and salary.

- **Concept used:**
  Node.js, HTML, CSS, Javascript

- **Steps/Commands involved to perform practical:**

  Salary.js

```javascript
var http = require('http');
var fs = require('fs');
var path = require('path');

http.createServer(function(req, res) {
    if (req.url === '/') {

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

```
                    <head>
                        <title>Employee Portal</title>
                    </head>
                    <body>
                        <h1>Welcome to Employee Portal!</h1>
                        <button onclick="redirectToEmployeeTable()">Employee Salary
Table</button>
                        <script>
                            function redirectToEmployeeTable() {
                                window.location.href = '/employee';
                            }
                        </script>
                    </body>
                </html>
            `);
    } else if (req.url === '/employee') {
        fs.readFile(path.join(__dirname, 'Employee.html'), function(err, data) {
            if (err) {
                res.writeHead(404, {'Content-Type': 'text/html'});
                res.end('404 Not Found');
            } else {
                res.writeHead(200, {'Content-Type': 'text/html'});
                res.end(data);
            }
        });
    } else {
        res.writeHead(404, {'Content-Type': 'text/html'});
        res.end('404 Not Found');
    }
}).listen(8080);

console.log('Server running at http://127.0.0.1:8080/');
```

Employee.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Employee Details</title>
    <style>
        table {
```

```css
            width: 100%;
            border-collapse: collapse;
            text-align: left;
        }
        th, td {
            padding: 8px;
            border: 1px solid #ddd;
        }
        th {
            background-color: #f2f2f2;
            padding: 10px;
        }
        tr:nth-child(even) {
            background-color: #f9f9f9;
        }
    </style>
</head>
<body>
    <center><u><h1>Employee Table</h1></u></center>
    <hr>
    <table>
        <tr>
            <th>EId</th>
            <th>Name</th>
            <th>Email</th>
            <th>Phone</th>
            <th>Salary</th>
        </tr>
        <tr>
            <td>1</td>
            <td>Dibya</td>
            <td>dibya123@gmail.com</td>

            <td>1234567890</td>
            <td>60000</td>
        </tr>
        <tr>
            <td>2</td>
            <td>Ivy</td>
            <td>ivy123@gmail.com</td>
            <td>1234567809</td>
            <td>70000</td>
        </tr>
        <tr>
            <td>3</td>
```

```
        <td>Zack</td>
        <td>zack123@gmail.com</td>
        <td>1234567089</td>
        <td>65000</td>
    </tr>
    <tr>
        <td>4</td>
        <td>Rose</td>
        <td>rose123@gmail.com</td>
        <td>1234560789</td>
        <td>50000</td>
    </tr>
    </table>
</body>
</html>
```

- **Output:**

Welcome to Employee Portal!

[Employee Salary Table]

Employee Table

EId	Name	Email	Phone	Salary
1	Dibya	dibya123@gmail.com	1234567890	60000
2	Ivy	ivy123@gmail.com	1234567809	70000
3	Zack	zack123@gmail.com	1234567089	65000
4	Rose	rose123@gmail.com	1234560789	50000

- **Learning Outcome :-**

1. Learnt about the concept of Node.js
2. Learnt to create a clickable button that directs us to another url.