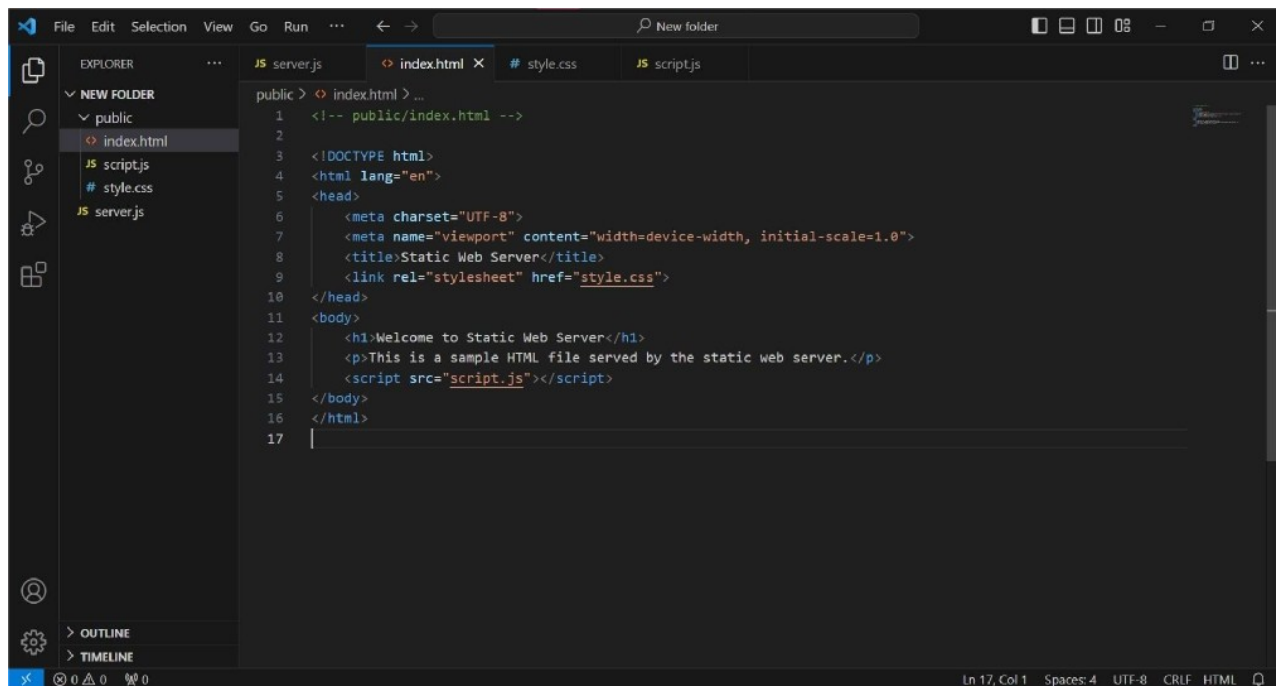


Assignment 3A

Roll no : 33276

Batch : N10

Static webserver using NodeJS to list directory files



The screenshot shows the Visual Studio Code editor interface. The Explorer sidebar on the left displays a project structure with a 'public' folder containing 'index.html', 'script.js', and 'style.css'. The main editor area is open to 'index.html', showing the following HTML code:

```
1 <!-- public/index.html -->
2
3 <!DOCTYPE html>
4 <html lang="en">
5 <head>
6   <meta charset="UTF-8">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <title>Static Web Server</title>
9   <link rel="stylesheet" href="style.css">
10 </head>
11 <body>
12   <h1>Welcome to Static Web Server</h1>
13   <p>This is a sample HTML file served by the static web server.</p>
14   <script src="script.js"></script>
15 </body>
16 </html>
17
```

The status bar at the bottom indicates the current position is Line 17, Column 1, with 4 spaces, UTF-8 encoding, CRLF line endings, and HTML language mode.

This screenshot shows the Visual Studio Code editor with the `style.css` file open. The Explorer sidebar on the left shows a project structure with a `public` folder containing `index.html`, `script.js`, and `style.css`. The main editor area displays the following CSS code:

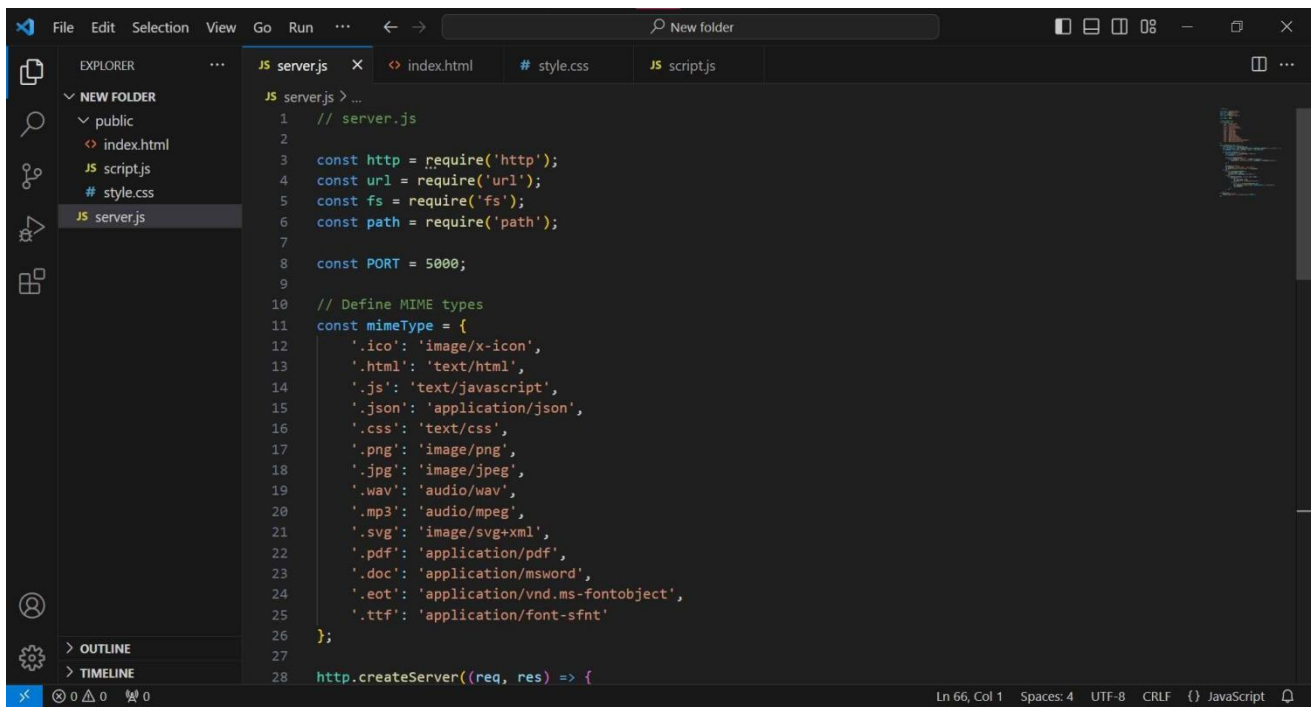
```
public > # style.css > ...
1  /* public/style.css */
2
3  body {
4      font-family: Arial, sans-serif;
5      background-color: #f0f0f0;
6  }
7
8  h1 {
9      color: #333;
10 }
11
12 p {
13     color: #666;
14 }
15
```

The status bar at the bottom indicates the cursor is at line 15, column 1, with 4 spaces, UTF-8 encoding, CRLF line endings, and CSS syntax highlighting.

This screenshot shows the Visual Studio Code editor with the `script.js` file open. The Explorer sidebar on the left shows the same project structure. The main editor area displays the following JavaScript code:

```
public > JS scriptjs
1  // public/script.js
2
3  console.log("Script loaded successfully!");
4
```

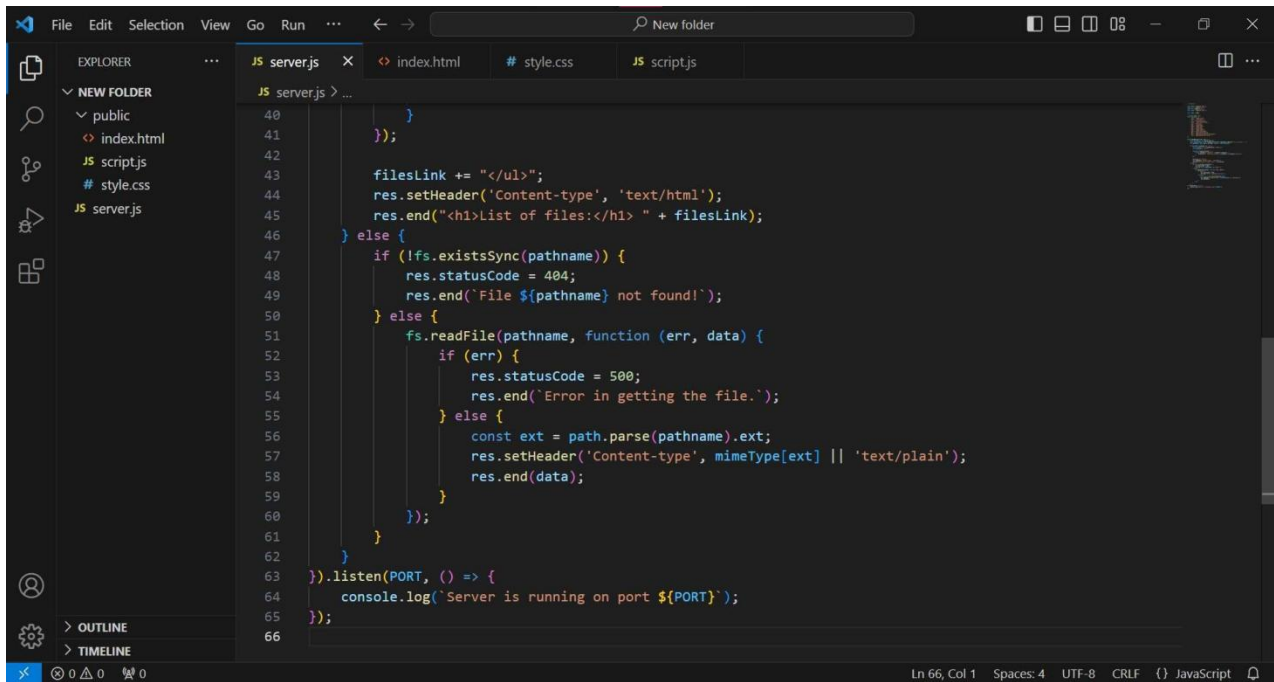
The status bar at the bottom indicates the cursor is at line 4, column 1, with 4 spaces, UTF-8 encoding, CRLF line endings, and JavaScript syntax highlighting.



This screenshot shows the first part of the `server.js` file in a VS Code editor. The Explorer sidebar on the left shows a project structure with a `public` folder containing `index.html`, `script.js`, `style.css`, and `server.js`. The main editor area displays the following code:

```
JS server.js > ...
1 // server.js
2
3 const http = require('http');
4 const url = require('url');
5 const fs = require('fs');
6 const path = require('path');
7
8 const PORT = 5000;
9
10 // Define MIME types
11 const mimeType = {
12   '.ico': 'image/x-icon',
13   '.html': 'text/html',
14   '.js': 'text/javascript',
15   '.json': 'application/json',
16   '.css': 'text/css',
17   '.png': 'image/png',
18   '.jpg': 'image/jpeg',
19   '.wav': 'audio/wav',
20   '.mp3': 'audio/mpeg',
21   '.svg': 'image/svg+xml',
22   '.pdf': 'application/pdf',
23   '.doc': 'application/msword',
24   '.eot': 'application/vnd.ms-fontobject',
25   '.ttf': 'application/font-sfnt'
26 };
27
28 http.createServer((req, res) => {
```

The status bar at the bottom indicates the cursor is at line 66, column 1, with 4 spaces, UTF-8 encoding, CRLF line endings, and JavaScript syntax.



This screenshot shows the second part of the `server.js` file in a VS Code editor. The Explorer sidebar on the left shows the same project structure. The main editor area displays the following code:

```
JS server.js > ...
40   }
41   });
42
43   filesLink += "</ul>";
44   res.setHeader('Content-type', 'text/html');
45   res.end("<h1>List of files:</h1> " + filesLink);
46 } else {
47   if (!fs.existsSync(pathname)) {
48     res.statusCode = 404;
49     res.end('File ${pathname} not found!');
50   } else {
51     fs.readFile(pathname, function (err, data) {
52       if (err) {
53         res.statusCode = 500;
54         res.end('Error in getting the file.');
```

The status bar at the bottom indicates the cursor is at line 66, column 1, with 4 spaces, UTF-8 encoding, CRLF line endings, and JavaScript syntax.

