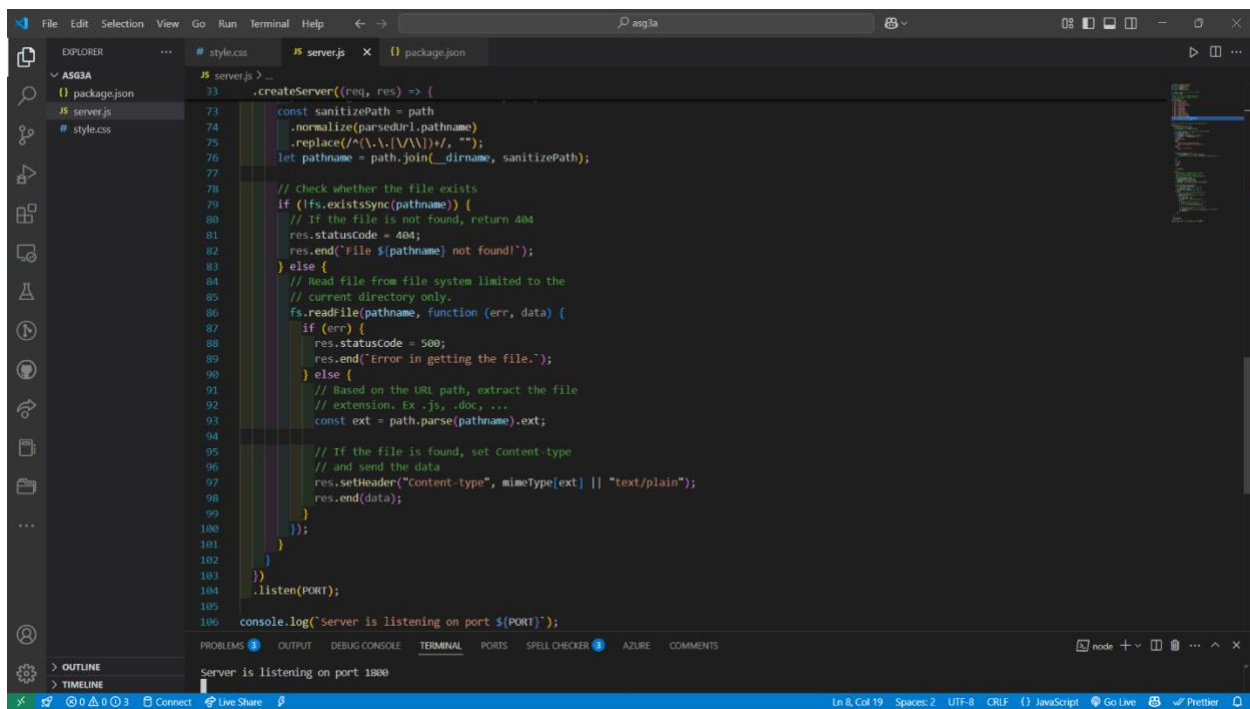


```
1 // Importing necessary modules
2 const http = require("http");
3 const url = require("url");
4 const fs = require("fs");
5 const path = require("path");
6
7 // Port on which the server will be created
8 const PORT = 1800;
9
10 // Maps file extension to MIME types which
11 // helps the browser to understand what to
12 // do with the file
13 const mimeType = {
14   ".ico": "image/x-icon",
15   ".html": "text/html",
16   ".js": "text/javascript",
17   ".json": "application/json",
18   ".css": "text/css",
19   ".png": "image/png",
20   ".jpg": "image/jpeg",
21   ".wav": "audio/wav",
22   ".mp3": "audio/mpeg",
23   ".svg": "image/svg+xml",
24 }
```

PS C:\Users\hp\OneDrive\Desktop\wdd\asg3a> node server.js  
Server is listening on port 1800



```
33 .createServer((req, res) => {
34   const sanitizePath = path
35     .normalize(parsedurl.pathname)
36     .replace(/^(\\|\/|\\\/)/, "");
37   let pathname = path.join(__dirname, sanitizePath);
38
39   // Check whether the file exists
40   if (!fs.existsSync(pathname)) {
41     // If the file is not found, return 404
42     res.statusCode = 404;
43     res.end("File ${pathname} not found!");
44   } else {
45     // Read file from file system limited to the
46     // current directory only.
47     fs.readFile(pathname, function (err, data) {
48       if (err) {
49         res.statusCode = 500;
50         res.end("Error in getting the file.");
51       } else {
52         // Based on the URL path, extract the file
53         // extension. Ex .js, .doc, ...
54         const ext = path.parse(pathname).ext;
55
56         // If the file is found, set Content-type
57         // and send the data
58         res.setHeader("Content-type", mimeType[ext] || "text/plain");
59         res.end(data);
60       }
61     });
62   }
63 })
64 .listen(PORT);
65
66 console.log("Server is listening on port ${PORT}");
```

Server is listening on port 1800

The screenshot shows the Visual Studio Code editor with a project named 'ASG3A'. The Explorer sidebar on the left shows the file structure: 'package.json', 'server.js', and 'style.css'. The main editor window displays the 'server.js' file, which implements a static file server using Node.js and Express. The code includes a comment indicating it's for 'ASG3A', a port of 1800, and logic to serve files from the current directory. The terminal at the bottom shows the message 'Server is listening on port 1800'.

```
29 // ASG3A
30
31 // Creating a server and listening on the specified port
32 http
33 .createServer((req, res) => {
34   // Parsing the requested URL
35   const parsedUrl = url.parse(req.url);
36
37   // If requested URL is "/" like "http://localhost:1800/"
38   if (parsedUrl.pathname === '/') {
39     var fileList = fs.readdirSync('.');
40     res.setHeader("content-type", "text/html");
41     var html = `
42     <doctype html>
43     <html>
44     <head>
45       <title>Static File Server</title>
46       <link rel="stylesheet" href="style.css">
47     </head>
48     <body>
49       <h1>List of files:</h1>
50       <ul>
51         ${fileList.map(element => {
52           if (fs.statSync("./" + element).isFile()) {
53             html += `<br/><li><a href=".${element}">${element}</a></li>`;
54           }
55         }).join('')}
56       </ul>
57     </body>
58     </html>
59   `;
60   res.writeHead(200, { 'Content-Type': 'text/html' });
61   res.end(html);
62 }
63 );
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER AZURE COMMENTS

Server is listening on port 1800

