WAD Assignment - 3a Static Node.js Server

Code-

```
const http = require('http');
const fs = require('fs');
const path = require('path');
const url = require('url');
// Directory to serve files from
const directoryPath = path.join(__dirname, 'public');
const server = http.createServer((req, res) => {
  const parsedUrl = url.parse(req.url, true);
  let pathname = decodeURIComponent(parsedUrl.pathname);
  if (pathname === '/') {
    // List all files in the directory
    fs.readdir(directoryPath, (err, files) => {
      if (err) {
        res.writeHead(500, { 'Content-Type': 'text/plain' });
        res.end('Error reading directory');
        return;
      res.writeHead(200, { 'Content-Type': 'text/html' });
      res.write('<h2>Directory Listing</h2>');
      files.forEach(file => {
        const fileUrl = `/file/${file}`;
        res.write(`< a href="${fileUrl}">${file}</a>`);
```

```
});
      res.write('');
      res.end();
    });
  } else if (pathname.startsWith('/file/')) {
    // Display the contents of a selected file
    const fileName = pathname.replace('/file/', '');
    const filePath = path.join(directoryPath, fileName);
    fs.readFile(filePath, 'utf8', (err, data) => {
      if (err) {
        res.writeHead(404, { 'Content-Type': 'text/plain' });
        res.end('File not found or cannot be read.');
        return;
      }
      res.writeHead(200, { 'Content-Type': 'text/plain' });
      res.end(data);
   });
  } else {
    res.writeHead(404, { 'Content-Type': 'text/plain' });
    res.end('404 - Not Found');
 }
});
const PORT = 3000;
server.listen(PORT, () => {
  console.log(`Server running at http://localhost:${PORT}`);
});
```

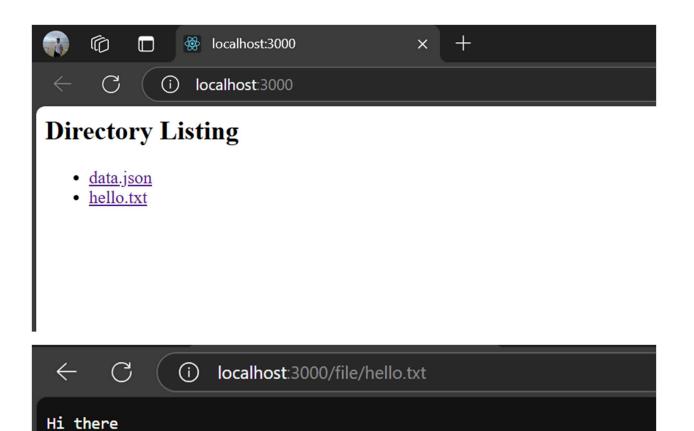
```
res.writeHead(200, { 'Content-Type': 'text/html' });
res.write('<h2>Directory Listing</h2>');
files.forEach(file => {

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\SHUBHAM\Desktop\wad\3anew> node server.js
Server running at http://localhost:3000

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```

```
i localhost:3000/file/data.json
       "id": 1,
       "name": "Alice Johnson",
       "email": "alice@example.com"
   },
 ∀ {
       "id": 2,
       "name": "Bob Smith",
       "email": "bob@example.com"
   },
 ∀ {
       "id": 3,
       "name": "Charlie Brown",
       "email": "charlie@example.com"
   }
]
```



how are you