Assignemnt 3A

Index.html

```
const http = require('http');
const url = require('url');
const fs = require('fs');
const path = require('path');
const PORT = 1800;
const mimeType = {
  '.ico': 'image/x-icon',
  '.html': 'text/html',
  '.js': 'text/javascript',
  '.json': 'application/json',
  '.css': 'text/css',
  '.png': 'image/png',
  '.jpg': 'image/jpeg',
  '.wav': 'audio/wav',
  '.mp3': 'audio/mpeg',
  '.svg': 'image/svg+xml',
  '.pdf': 'application/pdf',
  '.doc': 'application/msword',
  '.eot': 'application/vnd.ms-fontobject',
  '.ttf': 'application/font-sfnt'
};
http.createServer((req, res) => {
  const parsedUrl = url.parse(req.url);
  if (parsedUrl.pathname === '/') {
     var filesList = fs.readdirSync("./public/");
     var filesLink = "";
     filesList.forEach(element => {
       if (fs.statSync("./public/" + element).isFile())
{
          filesLink += `<a
href='./${element}'>${element}</a>`;
       }
     });
     filesLink += "";
     var html = `
     <!DOCTYPE html>
     <html>
     <head>
        <meta charset="UTF-8">
        <title>Directory Listing</title>
        <style>
          body {
             font-family: Arial, Helvetica, sans-serif;
             background-color: #f4f4ff;
             width:50%;
             margin:0 auto;
```

```
h1 {
            text-align: center;
            color: #555;
            margin-top:5rem;
         }
         ul {
            list-style: none;
            padding: 0;
            margin: 0;
         }
         li {
            margin-bottom: 10px;
            background-color: #fff;
            padding: 1rem;
            border-radius: 5px;
            width: 55%;
            margin: 1rem auto;
         }
         a {
            text-decoration: none:
            font-weight: bold;
            color:#5555ee;
            font-size:1.2rem;
         }
         a:hover {
            text-decoration: underline;
         }
       </style>
     </head>
     <body>
       <h1>Welcome To My Web Server
<br></h1>
       <h2 style="text-align: center"> We have
following Public files to share</h2>
       <hr>
       ${filesLink}
     </body>
     </html>
     res.setHeader('Content-type', 'text/html');
     res.end(html);
  } else {
```

```
const sanitizePath =
path.normalize(parsedUrl.pathname).replace(/^(\.\
.[\\\])+/, ");
    let pathname = path.join(_dirname +
"/public", sanitizePath);
    if (!fs.existsSync(pathname)) {
        res.statusCode = 404;
        res.end(`File ${pathname} not found!`);
    } else {
        fs.readFile(pathname, function (err, data) {
            if (err) {
                 res.statusCode = 500;
        }
}
```

output:



