Assignment 3A

Name->Ayush Chopade

Roll ->33220

List of files:

- index.html
- package-lock.json
- script.js
- user-avatar.png
- user-icon.png
- views-icon.png

Hello I am Ayush.

Roll No : 33220

This is Wadssignment No 3A

```javascript
Javascript code->const http = require('http');

const url = require('url');

const fs = require('fs');

const path = require('path');


const PORT = 3000;


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 filesLink = "<ul>";

    res.setHeader('Content-type', 'text/html');

    var filesList = fs.readdirSync("./");

    filesList.forEach(element => {

      if (fs.statSync("./" + element).isFile()) {

        filesLink += `<br/><li><a
href='./${element}'>${element}</a></li>`;

      }

    });

    filesLink += "</ul>";

    res.end("<h1>List of files:</h1> " + filesLink);

  } else {

    const sanitizePath =
path.normalize(parsedUrl.pathname).replace(/^(\.\.[\/\\])+/,
'');

    let pathname = path.join(__dirname, sanitizePath);


    if (!fs.existsSync(pathname)) {

      // If the file is not found, return 404

      res.statusCode = 404;

      res.end(`File ${pathname} not found!`);

    } else {

      // Read file from file system limit to the

      // current directory only.

      fs.readFile(pathname, function (err, data) {

        if (err) {

          res.statusCode = 500;

          res.end(`Error in getting the file.`);

        } else {

          // Based on the URL path, extract the file

          // extension. Ex .js, .doc, ...

          const ext = path.parse(pathname).ext;

          // If the file is found, set Content-type

          // and send data

          res.setHeader('Content-type', mimeType[ext] ||
'text/plain');

          res.end(data);

        }

      });

    }

  }

}).listen(PORT);
```