Name : Sanket Anil Bhamare | Class : TE10 | Batch : K10 | Roll : 33214
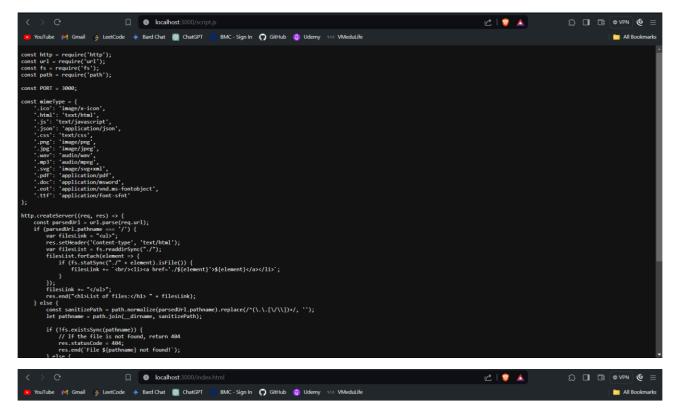
Script.js

```javascript
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("./");
```

```javascript
    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);
```

Index.html :

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <h1>Im Sanket Bhamare.</h1>
    <h2>Roll No : 33214</h2>
    <h3>Class : TE10, Batch : K10</h3>
</body>
</html>
```


List of files:

- index.html
- script.js
- user-avatar.png
- user-icon.png
- views-icon.png

```js
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 {
```

Im Sanket Bhamare.

Roll No : 33214

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