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<u>Index.html</u>

```
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 = "<ul>";
        filesList.forEach(element => {
            if
(fs.statSync("./public/" +
element).isFile()) {
                filesLink += `<li><a
href='./${element}'>${element}</a></li
>`;
            }
        });
        filesLink += "</ul>";
        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).rep
lace(/^(\.\.[\/\\])+/, '');
        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;
                        res.end(`Error in
getting the file.`);
                } else {
                        const ext =
path.parse(pathname).ext;

res.setHeader('Content-type',
mimeType[ext] || 'text/plain');
                        res.end(data);
                }
            });
        }
    }
}).listen(PORT);
```

output:

Welcome To My Web Server

We have following Public files to share

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development-process.png

index.html

web-application-development-process.gif

List Of Subject. (TE-IT-2nd sem)

WAD
Web Application Development

CC
Cloud Computing

DSBDA
Data Science and Big Data Analysis

CNS
Computer Networks and Security