

## Assignment 3a:

33218

Server:

```
const http = require('http');

const fs = require('fs');

const path = require('path');

const PORT = 5050; // Port number to listen on

http.createServer((req, res) => {

  let filePath = path.join(__dirname, 'index.html');

  // Read the file asynchronously

  fs.readFile(filePath, (err, content) => {

    if (err) {

      if (err.code === 'ENOENT') {

        // File not found

        res.writeHead(404);

        res.end('File not found!');

      } else {

        // Other server error

        res.writeHead(500);

        res.end(`Server Error: ${err.code}`);

      }

    } else {

      // File found, serve content

      res.writeHead(200, { 'Content-Type': 'text/html' });

      res.end(content, 'utf-8');

    }

  });

}).listen(PORT, () => {

  console.log(`Server is running on http://localhost:${PORT}`);

});
```

Output :

The image displays two screenshots. The top screenshot shows a web browser at localhost:5050 displaying the Samta Engineering College website. The website has a navigation bar with links: Home, About, Courses, Branches, Gallery, and Contact us, along with a Login button. The main content area features an 'About' section with a paragraph describing the college's commitment to innovation and excellence in engineering education, mentioning state-of-the-art facilities, a dynamic learning environment, and a curriculum designed to foster creativity and critical thinking. The bottom screenshot shows a VS Code editor with a file named 'index.js' open. The code is a simple HTTP server using Node.js and Express.js, listening on port 5050. It serves 'index.html' if the file is found, or returns a 404 error if not. The terminal shows the command 'node index.js' being executed, and the output indicates the server is running on http://localhost:5050.

Samta

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## About

Nestled in the heart of a bustling city, Samta Engineering College stands as a beacon of innovation and excellence in the field of engineering education. With state-of-the-art facilities and a faculty comprising industry experts and seasoned academicians, the college offers a dynamic learning environment where students are encouraged to explore, experiment, and excel. From cutting-edge research labs to well-equipped workshops, Samta Engineering College provides students with hands-on experience and practical skills essential for real-world challenges. The curriculum is designed to foster creativity, critical thinking, and problem-solving abilities, preparing graduates to thrive in the ever-evolving landscape of technology and engineering. Beyond academics, the college nurtures a vibrant community through various clubs, societies, and extracurricular activities, fostering holistic development and camaraderie among students. With a strong emphasis on entrepreneurship and innovation, Samta Engineering College cultivates a culture of ingenuity, empowering students to turn their ideas into reality and make a meaningful impact on society. Through industry partnerships and internships, students have the opportunity to gain invaluable industry exposure and build professional networks even before graduation. The college's alumni network spans the globe, with graduates making significant contributions to various industries and sectors, serving as inspiring role models for current students. Samta Engineering College is not just an institution; it's a launchpad for future leaders, innovators, and change-makers in the field of engineering, driving progress and shaping the world for generations to come.

## Courses

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7 http.createServer((req, res) => {
8   let filePath = path.join(__dirname, 'index.html');
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10  // Read the file asynchronously
11  fs.readFile(filePath, (err, content) => {
12    if (err) {
13      if (err.code === 'ENOENT') {
14        // File not found
15        res.writeHead(404);
16        res.end('File not found!');
17      } else {
18        // Other server error
19        res.writeHead(500);
20        res.end(`Server Error: ${err.code}`);
21      }
22    } else {
23      // File found, serve content
24      res.writeHead(200, { 'Content-Type': 'text/html' });
25      res.end(content, 'utf-8');
26    }
27  });
28 }).listen(PORT, () => {
29   console.log(`Server is running on http://localhost:${PORT}`);
30 });
```

server

server@1.0.0 start  
node index.js

Server is running on http://localhost:5050