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Assignment: 3A

Problem Statement: Create a Node.JS Application which serves a static website.

Code:

index.html

```
<!DOCTYPE html>
<html>
<head>
  <title>My Static Site</title>
</head>
<body>
  <h1>Hello, world!</h1>
  <p>
    "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id
    volutpat arcu, sit amet placerat felis. Quisque vel ultricies est. Sed ac
    purus at urna dapibus facilisis eget non nibh. Fusce malesuada lectus non
    magna blandit, sit amet consequat leo malesuada. Suspendisse tincidunt augue
    sed purus venenatis, non dapibus enim pellentesque. Duis efficitur nisl et
    lacinia aliquet.";
  </p>
</body>
</html>
```

server.js

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

const port = 3000;

const server = http.createServer((req, res) => {
  // Set the content type for the response
  res.setHeader('Content-Type', 'text/html');

  // Serve the index.html file for the root route
  if (req.url === '/') {
    fs.readFile(path.join(__dirname, 'index.html'), (err, data) => {
      if (err) {
        res.statusCode = 500;
        res.end('Error getting the file');
      }
    });
  }
});
```

```
    } else {
      res.statusCode = 200;
      res.end(data);
    }
  });
}

// Serve the static files from the public directory
else {
  const filePath = path.join(__dirname, 'public', req.url);
  fs.readFile(filePath, (err, data) => {
    if (err) {
      res.statusCode = 404;
      res.end('File not found');
    } else {
      // Determine the content type based on the file extension
      const extname = path.extname(filePath);
      let contentType = 'text/html';
      switch (extname) {
        case '.js':
          contentType = 'text/javascript';
          break;
        case '.css':
          contentType = 'text/css';
          break;
        case '.json':
          contentType = 'application/json';
          break;
      }
    }
  });
}
```

```

    const extname = path.extname(filePath);
    let contentType = 'text/html';
    switch (extname) {
      case '.js':
        contentType = 'text/javascript';
        break;
      case '.css':
        contentType = 'text/css';
        break;
      case '.json':
        contentType = 'application/json';
        break;
      case '.png':
        contentType = 'image/png';
        break;
      case '.jpg':
        contentType = 'image/jpg';
        break;
    }
    res.statusCode = 200;
    res.setHeader('Content-Type', contentType);
    res.end(data);
  }
});
}
});

server.listen(port, () => {
  console.log(`Server running on port ${port}`);
});

```

```

Command Prompt - node server.js
Microsoft Windows [Version 10.0.22000.1817]
(c) Microsoft Corporation. All rights reserved.

C:\Users\dell>cd..

C:\Users>cd..

C:\>F:

F:\>cd my-static-site

F:\my-static-site>node server.js
Server running on port 3000
^C
F:\my-static-site>node server.js
Server running on port 3000

```

Output:

