Lab 6 Assignment

Q) Create a Web Server offering basic web service(s) to the front-end

Frontend:

```jsx
import React, { useState, useEffect } from "react";
import "./App.css";

function App() {
  const [message, setMessage] = useState("");

  useEffect(() => {
    fetch("http://localhost:3000")
      .then((res) => res.json())
      .then((data) => setMessage(data.message));
  }, []);

  return (
    <div className="App">
      <h1>{message}</h1>
    </div>
  );
}

export default App
```

Web Server (Node.js)

```js
const http = require('node:http');

const hostname = '127.0.0.1';
const port = 3000;

const server = http.createServer((req, res) => {
  res.statusCode = 200;
  res.setHeader('Content-Type', 'text/plain');
  res.end('Hello am Harshini\n');
});

server.listen(port, hostname, () => {
  console.log("Server running at port",port);
});
```

Output :

```
PS C:\Users\HP\Downloads\simple-web-server
Server running at port 3000
```