

LA6: Web Server Creation using NodeJS

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

index.html

```
<!-- public/index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Web Server</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <h1>Welcome to Sahil's web server!</h1>
  <h3 style="color: aliceblue;">This server has been created using NodeJS</h3>
</body>
</html>
```

server.js

```
const express = require('express');
const path = require('path');
const app = express();
const port = process.env.PORT || 3000;

app.use(express.static(path.join(__dirname, 'public')));

app.get('/', (req, res) => {
  res.render('index', { title: 'My Web Page', message: 'Welcome to my enhanced web server!' });
});

app.listen(port, () => {
  console.log(`Server is running on http://localhost:${port}`);
});
```

styles.css

```
h1{
  font-size: 4em;
  color: rgb(34, 137, 141);
  position: absolute;
  top:250px;
  left:225px;
}

body{
  background-color: black;
}
```

-Server.js

-Public

- index.html
- styles.css

Output:



