

## WebProgramming&Frameworks

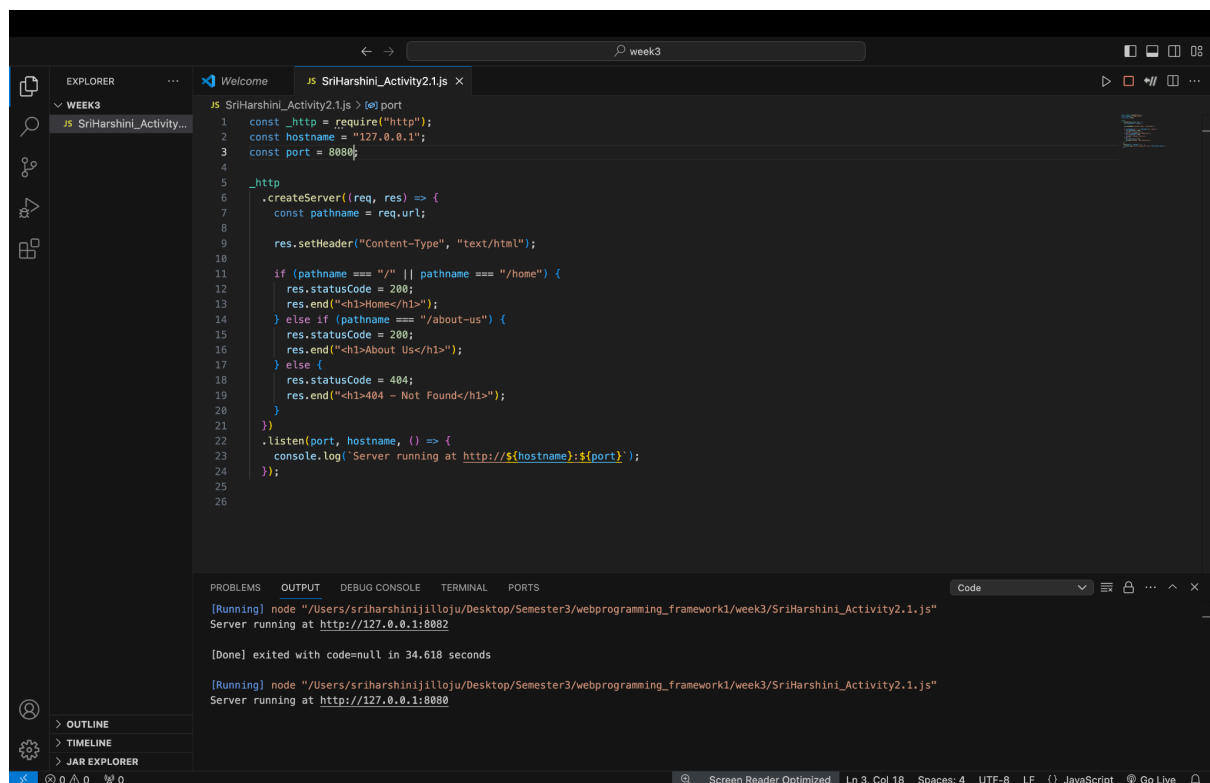
### Lab3\_Activity2.1

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The `http.createServer()` method creates an HTTP server that listens for incoming requests on the specified hostname and port.

When a request is received, the `req.url` property is used to identify the pathname (the part of the URL after the hostname and port).

The if-else block evaluates the pathname to determine which response to return



The screenshot shows a Visual Studio Code editor with a file named `SriHarshini_Activity2.1.js` open. The code defines an HTTP server that listens on port 8080 and responds to requests based on the pathname. The terminal output shows the server running successfully on `http://127.0.0.1:8080`.

```
1 const http = require("http");
2 const hostname = "127.0.0.1";
3 const port = 8080;
4
5 http
6   .createServer((req, res) => {
7     const pathname = req.url;
8
9     res.setHeader("Content-Type", "text/html");
10
11     if (pathname === "/" || pathname === "/home") {
12       res.statusCode = 200;
13       res.end("<h1>Home</h1>");
14     } else if (pathname === "/about-us") {
15       res.statusCode = 200;
16       res.end("<h1>About Us</h1>");
17     } else {
18       res.statusCode = 404;
19       res.end("<h1>404 - Not Found</h1>");
20     }
21   })
22   .listen(port, hostname, () => {
23     console.log(`Server running at http://${hostname}:${port}`);
24   });
```

Terminal Output:

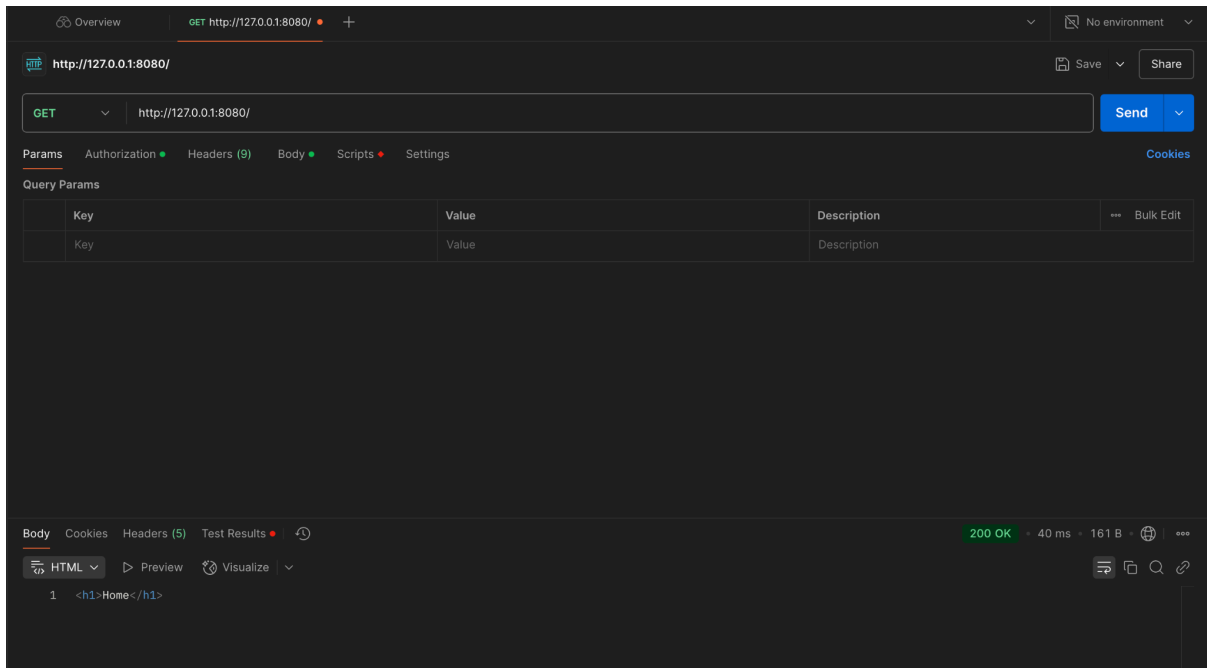
```
[Running] node "/Users/sriharshinijilloju/Desktop/Semester3/webprogramming_framework1/week3/SriHarshini_Activity2.1.js"
Server running at http://127.0.0.1:8080

[Done] exited with code=null in 34.618 seconds

[Running] node "/Users/sriharshinijilloju/Desktop/Semester3/webprogramming_framework1/week3/SriHarshini_Activity2.1.js"
Server running at http://127.0.0.1:8080
```

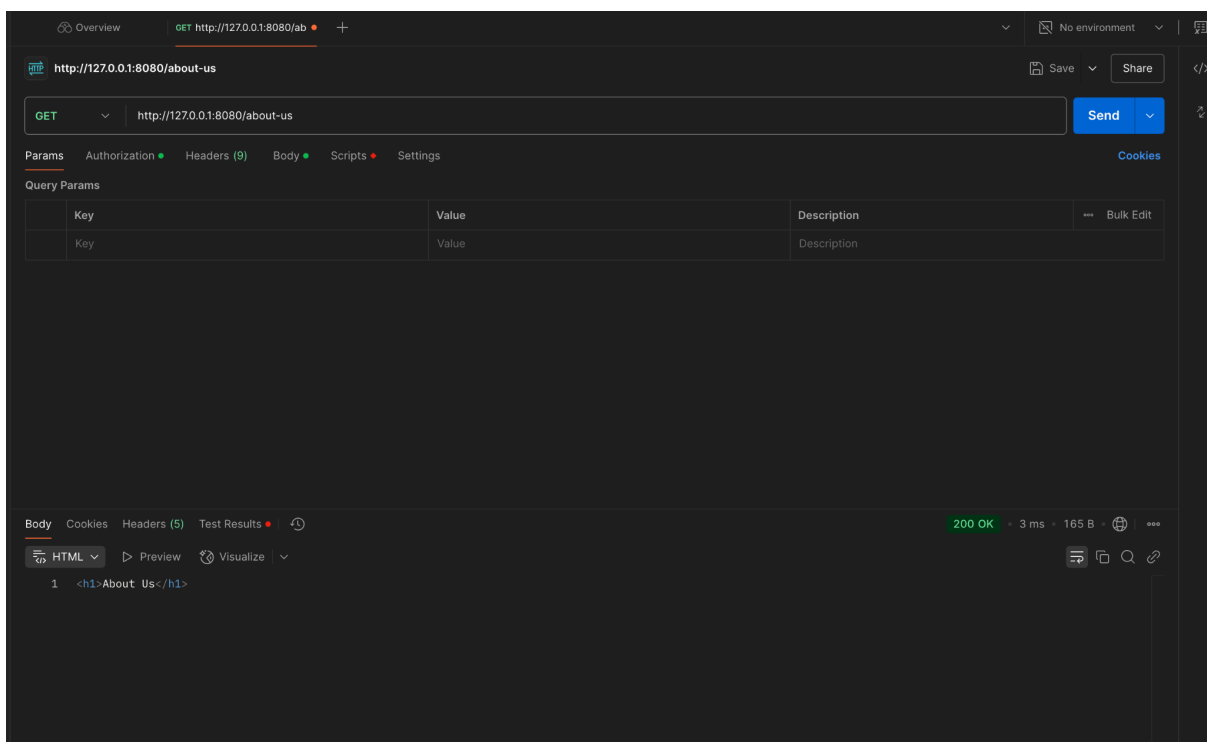
`http://127.0.0.1:8080/` or `http://127.0.0.1:8080/home` → Returns Home page.

If the pathname is `/` (root) or `/home`, the server responds with a 200 status code and the HTML content `<h1>Home</h1>`.



<http://127.0.0.1:8080/about-us> → Returns About Us page.

If the pathname is /about-us, the server responds with a 200 status code and the HTML content `<h1>About Us</h1>`.



Any other route, like <http://127.0.0.1:8080/random>, returns 404 - Not Found!.

For any other pathname, the server responds with a 404 status code and the HTML content `<h1>404 - Not Found</h1>`.

