

1. set the server and showing the console (<http://localhost:5000>)

server.js

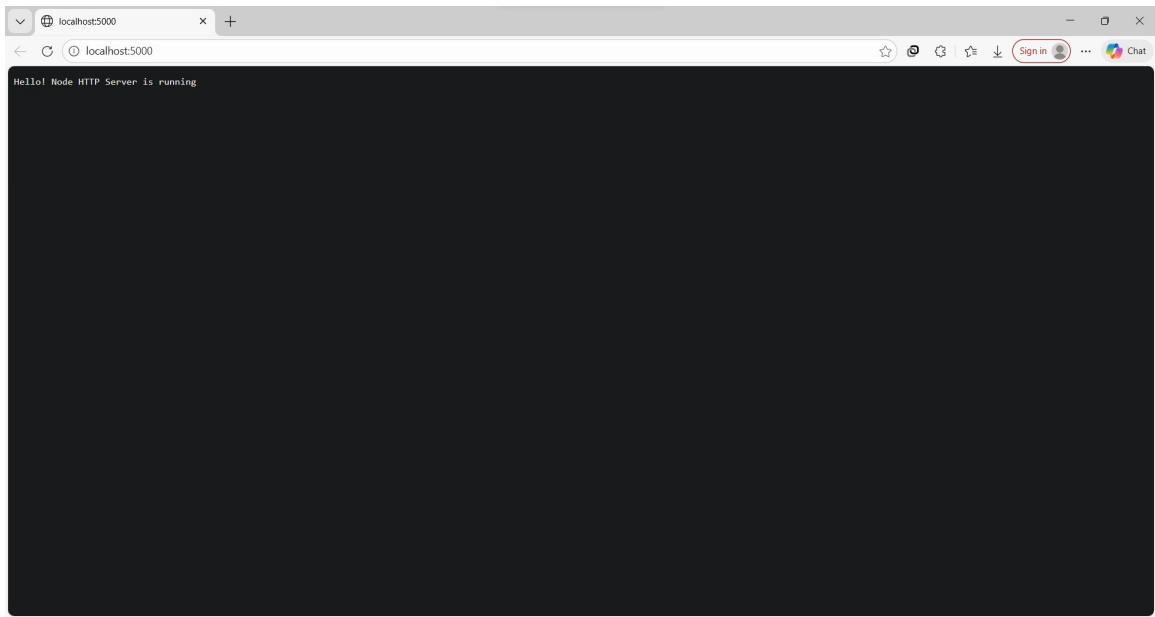
```
const http = require("http");

const server = http.createServer((req, res) => {
    res.writeHead(200, { "Content-Type": "text/plain" });

    res.end("Hello! Node HTTP Server is running");

});

server.listen(5000, () => {
    console.log("Server running at http://localhost:5000");
});
```



2. what is HTTP modules why we use

## HTTP Module:

The http module is a core (built-in) module in Node.js that allows Node to:

- Create web servers

- Handle HTTP requests

- Send HTTP responses

## Why we use it:

- To build backend servers

- To handle client requests (browser, Postman, frontend apps)

- To send data like HTML, JSON, or text

- No need to install it (comes with Node)

## 3. what is import export methods.

### Import & Export:

- They are used to share code between files.

### Why needed:

- To keep code modular

- Reuse functions across files

- Better file structure and readability

### Two types in Node:

#### CommonJS:

- `require()` / `module.exports`

#### ES Modules (Modern):

- `import` / `export`

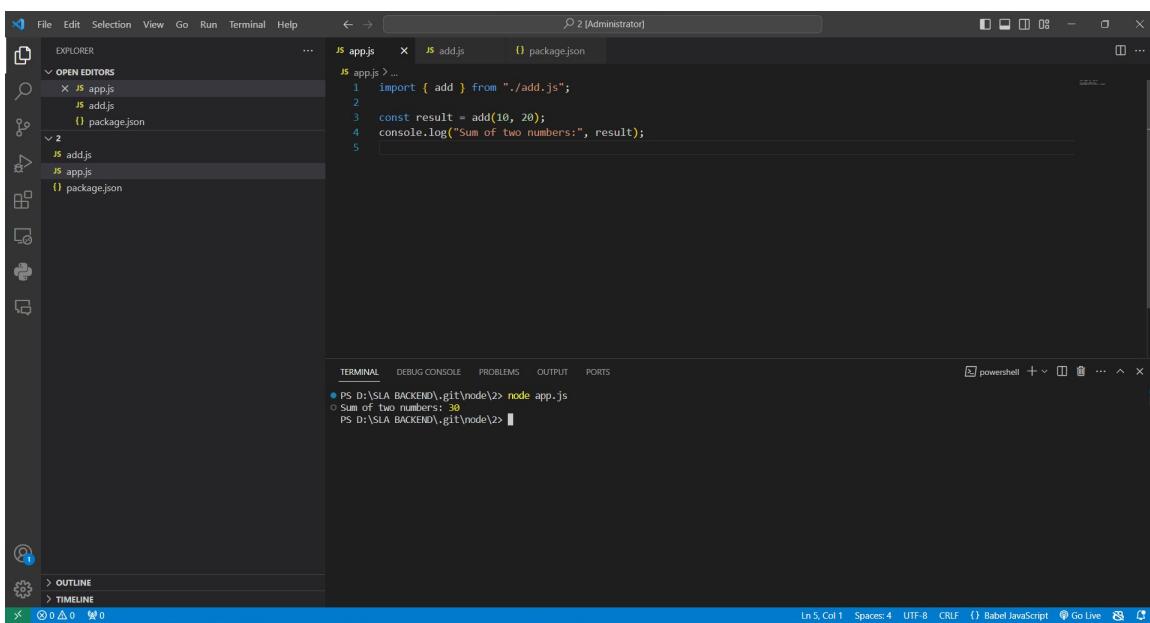
## 4. using import and export methods to add 2 numbers (app.js and add.js)

### add.js:

```
export function add(a, b) {  
    return a + b;  
}
```

app.js:

```
import { add } from "./add.js";  
  
const result = add(10, 20);  
  
console.log("Sum of two numbers:", result);
```



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left lists files: app.js, add.js, and package.json. The left editor pane contains the code for app.js. The right editor pane contains the code for add.js. The bottom terminal window shows the command PS D:\SLA BACKEND\git\node\2> node app.js followed by the output Sum of two numbers: 30. The status bar at the bottom indicates the file is Babel JavaScript.

## 5. what is the machine and run time environment it is? in Node

Machine:

The machine is the system where Node.js runs

Example:

Your laptop

Server (AWS, Azure, etc.)

It can be Windows / Linux / macOS