

Assignment 1: File Writer (ESM)

Create a script that:

- Accepts a filename and content from the command line
- Writes content into that file

Run:

```
node fileWriter.js output.txt "This is my first Node ESM file"
```

Output:

File "output.txt" created successfully.

Assignment 2: Simple HTTP Server (ESM)

Create a server that returns JSON data when accessed.

Run:

```
node server.js
```

Visit: <http://localhost:4000>

Assignment 3: Display Current Date and Time (ESM)

Use `dayjs` to print the current date and time formatted as `YYYY-MM-DD HH:mm:ss`.

Run:

```
node currentTime.js
```

Output:

Current Time: 2025-10-31 18:30:45

Assignment 4: Build a simple HTTP server that reads a local HTML file and serves it

1. Create two files:
 - o `server.js`

o index.html

2. index.html

```
<!DOCTYPE html>
<html>
<head>
  <title>My First Node.js Server</title>
</head>
<body>
  <h1>Hello from Node.js Server!</h1>
  <p>This page was served using the http and fs modules.</p>
</body>
</html>
```

3. server.js

4. Run the server:

```
node server.js
```

5. Open a browser → <http://localhost:3000>

Output:

The HTML file content is served directly to the browser.

Assignment 5: Explore npm Packages (`axios`, `moment`)

Goal:

Use popular npm packages to fetch data and format time.

Example 1: Fetch API Data using axios

<https://jsonplaceholder.typicode.com/posts/1>

Output:

```
Fetched Data: {
  userId: 1,
  id: 1,
  title: "sunt aut facere repellat provident occaecati excepturi optio
reprehenderit",
  body: "quia et suscipit..."
}
```

Example 2: Display Current Time using moment

Output:

Current Time: 2025-10-24 15:45:23

Assignment 6: – File Logger

Create a small logger that appends logs to a file each time the program runs.

Run:

```
node logger.js
```

Output File (app.log):

```
App started at 2025-10-24 15:52:10
App started at 2025-10-24 15:54:45
```