PRACTICAL - 3

Project 1: System Utility Dashboard

Objective: Create a node application that provides system information.

Tasks:

- Use the os module to display the OS type, total memory, free memory, and CPU details.
- Use the fs module to save the system information to a log file.
- Use the path module to ensure the file is saved in a standardized format (logs/system-info.txt).

Output:

```
PS E:\prem\code\Charusat\sem4\FSWD\lab3\task1> node index.js
OS type : Windows_NT
Total memory : 16793206784
Free memory : 7250718720
```

```
system-info.txt ✕

lab3 > task1 > logs > system-info.txt
1    OS type : Windows_NT
2    Total memory : 16793206784
3    Free memory : 7250718720
```

Project 2: Basic Static File Server

Objective: Build an HTTP server to serve static files like HTML, CSS, and images.

Tasks:

- Create a simple HTML page with a welcome message and a few images.
- Use the http and fs modules to serve these files when the browser requests them.
- Add logic to handle 404 errors when a file is not found.

Output :