

WT Lab Assignment No :- 4A

Title :- a. Create a Node.JS Application which serves a static website.

Step 1: Initialize Node.js project

Open Command Prompt or VS Code Terminal and create a new folder for the project

```
ishan@Ishans-MacBook-Air ASS_1 % # create project folder and enter it
mkdir my-static-site
cd my-static-site

# initialize npm with defaults
npm init -y

zsh: command not found: #
zsh: command not found: #
Wrote to /Users/ishan/Desktop/untitled folder 2/ASS_1/my-static-site/package.json:

{
  "name": "my-static-site",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "description": ""
}
```

Ste 2 : install packages

Using command npm install express , download all necessary packages.

```
ishan@Ishans-MacBook-Air my-static-site % npm install express

added 68 packages, and audited 69 packages in 6s

16 packages are looking for funding
run `npm fund` for details
```

Step 3: create folder public

Create new folder public and add index.html file with your html code. After doing so your file structure should look like this



Simple html Code.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Hello from Node!</title>
</head>
<body>
  <h1> It works!</h1>
  <p>This static page is served by Node.js and Express.</p>
</body>
</html>
```

Step 4: Run server

After adding html code , execute file with command 'npm start'.

```
ishan@Ishans-MacBook-Air my-static-site % npm start

> my-static-site@1.0.0 start
> node server.js

Static site available at http://localhost:3000
^C
```

Step 5: visit to server

After starting the server cmd+click on link to visit the page , it will be deployed at localhost.

To close the server click ctrl+c.

