

## SIT 737

### Task 2.1P

#### 1. Node/npm version

```
PS C:\Users\Lakshit\OneDrive\Desktop\S737\2.1p> node -v
v20.11.1
PS C:\Users\Lakshit\OneDrive\Desktop\S737\2.1p> npm -v
10.2.4
```

#### 2. npm init

```
PS C:\Users\Lakshit\OneDrive\Desktop\S737\2.1p> npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and tries to guess sensible defaults.

See `npm help init` for definitive documentation on these fields
and exactly what they do.

Use `npm install <pkg>` afterwards to install a package and
save it as a dependency in the package.json file.

Press ^C at any time to quit.
package name: (2.1p)
version: (1.0.0)
description:
entry point: (app.js)
test command:
git repository:
keywords:
author:
license: (ISC)
About to write to C:\Users\Lakshit\OneDrive\Desktop\S737\2.1p\package.json:
{
  "name": "2.1p",
  "version": "1.0.0",
  "description": "",
  "main": "app.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC"
}

Is this OK? (yes)
```

### 3. npm install

```
PS C:\Users\Lakshit\OneDrive\Desktop\S737\2.1p> npm install express

added 69 packages, and audited 70 packages in 2s

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

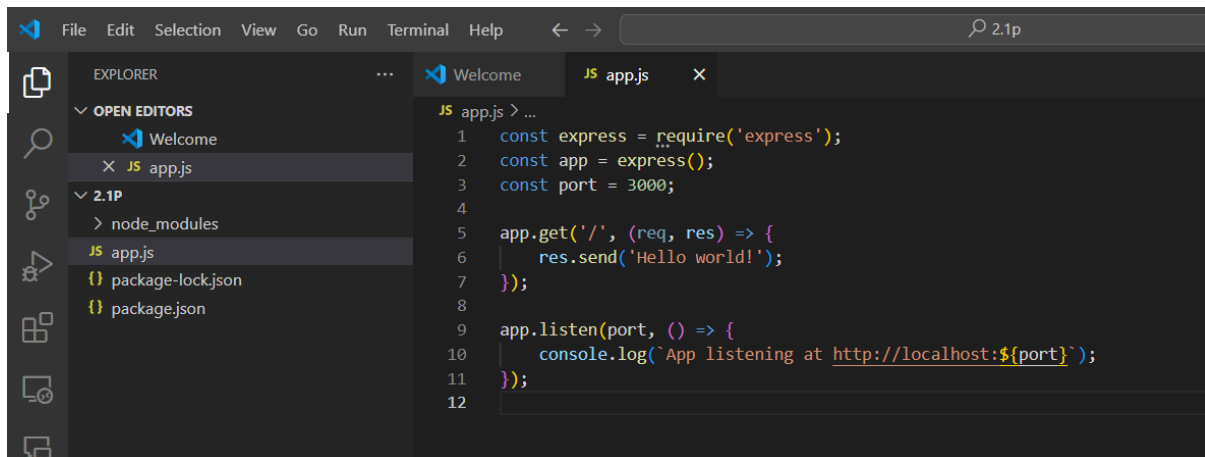
found 0 vulnerabilities
PS C:\Users\Lakshit\OneDrive\Desktop\S737\2.1p> npm install express --save

up to date, audited 70 packages in 746ms

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

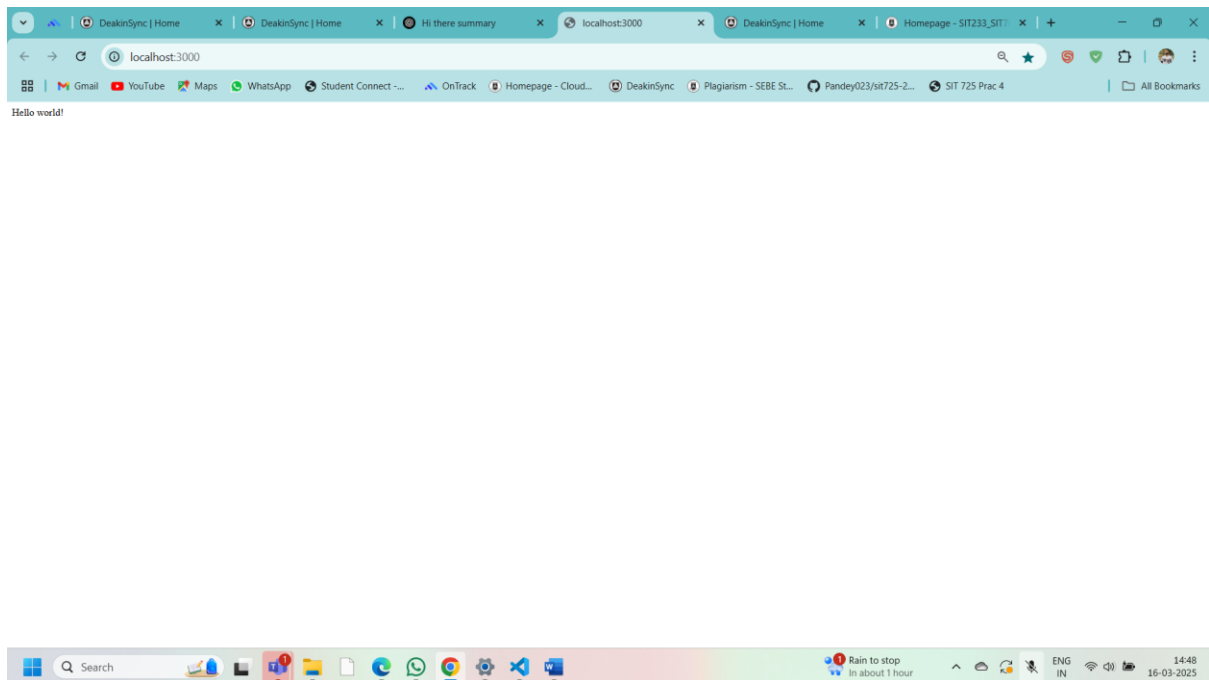
found 0 vulnerabilities
PS C:\Users\Lakshit\OneDrive\Desktop\S737\2.1p> node .
App listening at http://localhost:${port}
PS C:\Users\Lakshit\OneDrive\Desktop\S737\2.1p> node .
App listening at http://localhost:3000
```

### 4. app.js file

A screenshot of the Visual Studio Code editor interface. The Explorer sidebar on the left shows the project structure with folders '2.1P' and 'node\_modules', and files 'app.js', 'package-lock.json', and 'package.json'. The main editor area displays the content of 'app.js', which includes code for installing Express, creating an app, setting a port, and listening for requests. The code is as follows:

```
1 const express = require('express');
2 const app = express();
3 const port = 3000;
4
5 app.get('/', (req, res) => {
6   res.send('Hello world!');
7 });
8
9 app.listen(port, () => {
10   console.log(`App listening at http://localhost:${port}`);
11 });
12
```

## 5. web browser



## 6. git repo

<https://github.com/Pandey023/sit737-2025-prac2p.git>

## 7. Brief Summary

- Verify Node.js Installation – Check that Node.js and npm are installed by verifying their versions.
- Set Up Project – Create a new folder, navigate to it, and initialize a Node.js project to generate the necessary configuration file.
- Install Express – Install the Express framework to build a simple web server.
- Create Server File – Develop a basic Express server that listens on port 3000 and responds with "Hello World!" when accessed.
- Run Server – Start the server and open a browser to access the local server URL to view the response.