4.3 Importing npm Modules



This section will guide you to:

* Import NPM modules on the Node.js environment.

This guide has four subsections, namely:

4.3.1 Creating a package.json file

4.3.2 Installing a module

4.3.3 Creating a new server.js file

4.3.4 Pushing the codes to your GitHub repositories

**Step 4.3.1:** Creating a package.json file

* Fill the required details
  + package name: (node) asmita
  + version: (1.0.0)
  + description: this is a boilerplate code
  + entry point: (index.js)
  + test command:
  + git repository:
  + keywords:
  + author:
  + license: (ISC)
* Create a folder named **TypeScript Demos** on lab
* Open Visual Studio Code and open the created older
* Open the terminal
* Type *npm init* command in the terminal tab to initializeA screenshot of a cell phone

  Description automatically generated
* After initializing npm, your data will be stored in the package.json file, as shown in the screenshot

**Step 4.3.2:** Installing a module

* Type *npm install lodash*
* After successfully installing lodash, you can import the module
* Open package.json and modifiy it using the given data

{

"name": "asmita",

"version": "1.0.0",

"description": "this is a boilerplate code",

"main": "index.js",

"scripts": {

"test": "echo \"Error: no test specified\" && exit 1",

"start": "node server.js"

},

"author": "",

"license": "ISC",

"dependencies": {

"lodash": "^4.17.15",

"prompts": "^2.2.1",

"readline-sync": "^1.4.10"

},

"devDependencies": {}

}

**Step 4.3.3**: Creating a new server.js file

* Import npm module using require

const http = require('http');

const loader = require('lodash');

const hostname = '127.0.0.1';

const port = 3000;

const server = http.createServer(function(req, res) {

res.statusCode = 200;

res.setHeader('Content-Type', 'text/plain');

res.end('Hi, You are now able to import NPM modules\n');

});

server.listen(port, hostname, function() {

console.log('Server running at http://'+ hostname + ':' + port + '/');

});

* After importing the module, run the code by typing *node server.js*

A close up of a screen

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* By running the code, you will get the IP address where you will see the output

A screenshot of a cell phone

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**Step 4.3.4:** Pushing the codes to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add . 

Commit the changes using the following command:

git commit . -m “Changes have been committed.”

Push the files to the folder you initially created using the following command:

git push -u origin master