

**Getting Familiar with NPM**

|  |  |
| --- | --- |
| Author: | **M. Abubakar** |
| Student ID: | **2021-CS-171** |
| Course: | **EAD** |
| Instructor: | **Mr. Atif** |

**University of Engineering & Technology**

**Department of Computer Science**

# Introduction

Node.js is a powerful runtime environment for executing JavaScript code outside of a browser. Setting up a Node.js project involves several steps to ensure proper management of dependencies, scripts, and project structure.

# Installation

Before setting up a Node.js project, ensure Node.js is installed on your system. You can download and install Node.js from the official website: https://nodejs.org.

node --version npm --version

# Initializing a Node.js Project

npm init

Follow the prompts to provide details about your project, such as name, version, description, entry point, etc. This will generate a package.json file in your project directory.

# Adding Start Script

Open the package.json file in a text editor. Add a "start" script with the command you want to execute to start your application.

"scripts": {

"start": "node index.js"

}

# Installing Dependencies

Use npm to install dependencies required for your project. npm install <package-name>

# Running Scripts

To run the start script, use the following command: npm start

# Conclusion

Setting up a Node.js project involves initializing a package.json file, adding start scripts, installing dependencies, and running scripts as needed. Proper setup ensures a smooth development workflow and effective management of your Node.js application.

# Additional Resources

* Node.js Documentation: https://nodejs.org/en/docs/
* npm Documentation: https://docs.npmjs.com/
* Getting Started with Node.js: https://developer.mozilla.org/en-US/docs/ Learn/Server-side/Express\_Nodejs/Introduction
* Node.js Best Practices: https://github.com/goldbergyoni/nodebestpractices

2