Lahti teknillinen yliopisto

School of Software Engineer

Sofware Development Skills

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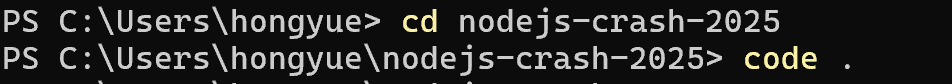
LEARNING DIARY, <FULL-BACK> MODULE

**LEARNING DIARY**

1. 3.2025

I learned what is Node.js and how it works. Node is built on top of the V8 JS Engine and extened the engine to work on the server side. Node is also called non-blocking which means that it doesn’y wait around for to operations.Node also uses event loop which is a mechanism that allows node to perform non-blocking IO operations. During watching the video, I unsderstood what is Node.js used for like APIs, Microservices, and etc.And Node is not good a t CPU-intensive tasks.

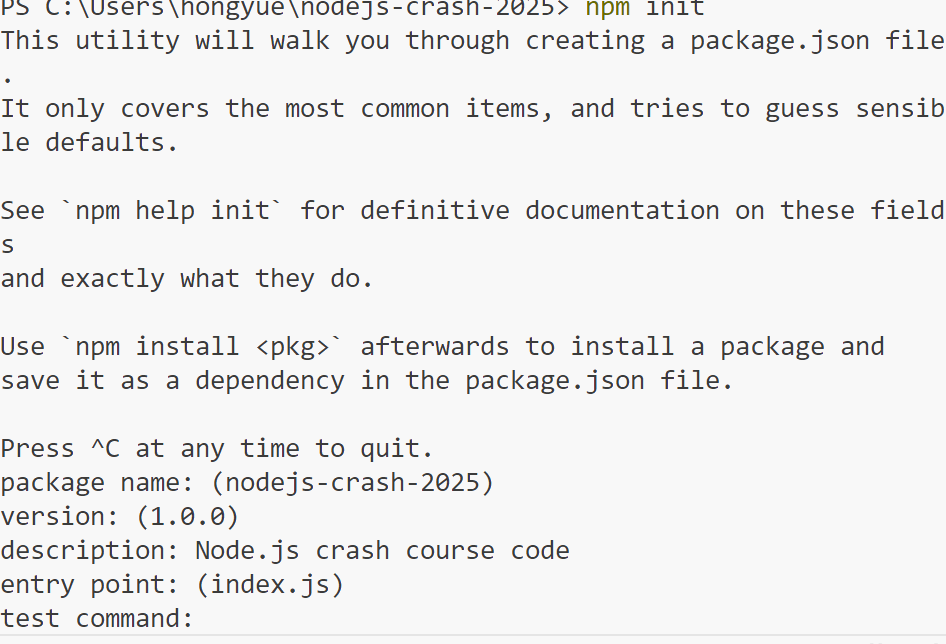
I learned also how to create a node project under command line.



Run PowerShell as an administrator and run the following command in an administrator PowerShell window

Set-ExecutionPolicy RemoteSigned -Scope CurrentUser

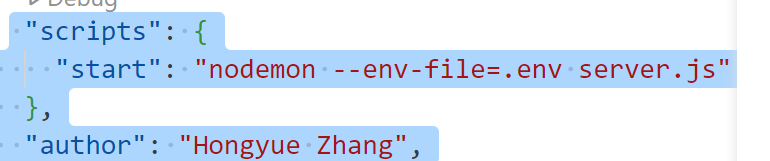
Then I can run the terminal



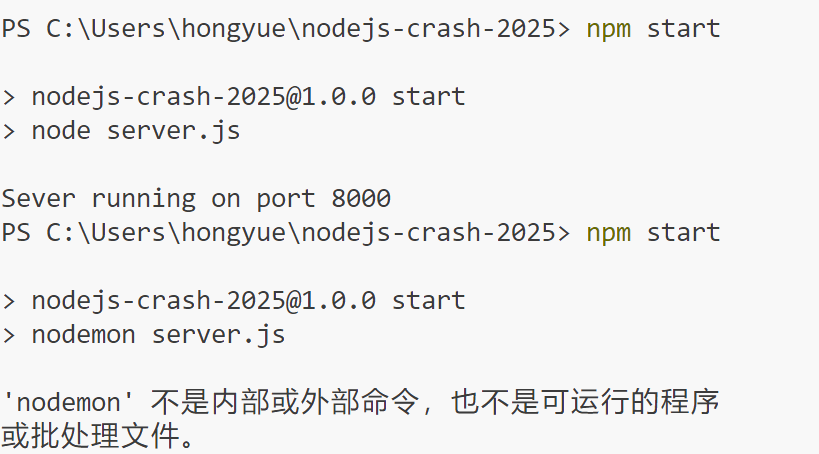
22.3.2025

I learned some basic code about the Node.js. Like, how to export functions.And learned how to create a basic HTTP server, read files asynchronously, and how to handle and return a 404 status when it is not a GET request.And during the development process.

When I chage the json file ,like this



Then it shows:



So I installed the nodemon tool to automatically restart the server.

Then run the command:

npm start

The server can run automayically.

Then I installed the postman. Used to test HTTP requests. I use postman to send a get request to get data, and submit the data by using post method.