

# Backend Server Development

## Post-Class Assignment Day 23

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1. Subject: Application Programming Interface
2. Types:
  - Pre-requisite Tools

## Pre-requisite Tools

- Install [Node.js v14.8.1](#)
  - Note: Make sure you installed the same version so we are on the same page
- [Postman](#)
- [VSCode](#)
  - Using the same IDE throughout the class will avoid some incompatibility issues

## Hands-on Assignments

1. Install Node.js
2. Use git for this assignment and push to your new repo called **day23** in github
3. Create a new project in my\_hello directory and run the code with npm
  - a. Create a new directory called [my\\_hello](#)
  - b. Inside it, create a new file called [app.js](#)
  - c. Print out your full name in [app.js](#)
  - d. In my\_hello directory, run [npm init](#)
  - e. Fill down all fields in [package.json](#)
    - i. The entry point file should be [app.js](#)
  - f. Once done, open [package.json](#) and add a field in scripts
    - i. "start": "node app.js"
  - g. Test the code by running [npm run start](#), your name should be shown in terminal
  - h. Screenshot your terminal and place it inside [my\\_hello](#) folder
  - i. Name the screenshot as [assignment\\_day23\\_1](#)



- j. Once done, commit and push this changes to github
- 4. Create a simple api server in a new directory called **users** to manage user accounts
  - a. Requirements
    - i. User details
      - 1. Full name
      - 2. User name
      - 3. Address
    - ii. A user could get list of users
    - iii. A user could create a new user
    - iv. Server has no DB, use a variable instead. This means when the server is stopped/restarted, data will be lost.
    - v. Create a server an open in port 3000
- 5. Submit the github repo link of this project

