What is a package.json in nodejs?

package.json file is a JSON file that contains metadata about a project, such as the project name, version, description, dependencies, scripts, and other configurations. It is essential for managing the project's dependencies and running scripts.

It allows Node.js to install and manage packages (libraries) using the npm (Node Package Manager).

Note: The package.json file mainly keep details of a project.

Install the package.json file into two ways:

1. npm init --y (It install all the package manager without doing anything).
2. npm init (It allow you to interact with by selecting each step while use this command).

Note: In a senerio if there is already exist a project so you want to install the specific json package dependencies package in your project all together at once use this command to install all the packages at once.

Command: npm install (It will install all the packages which are available in the package.json at once).

What is Package lock.json in Nodejs?

The package-lock.json file in Node.js locks the exact versions of dependencies and their sub-dependencies, ensuring consistent installs across different environments. It ensures that every install of the project uses the same versions of packages, improving reliability and reproducibility.

Note: The package-lock.json main use to keep details of a package.