

NPM is a way to share your codes with other developers and reuse the code from other developers and easily manage the different versions of code.

Package.json:

1. Manage Dependencies - Express and its version.
2. Scripts - Initial build. of your Projects

1. Go to Desktop
2. Npm init
3. Press Enter it will create a package.json file

If you want to update anything then give the name.
npm config set init-author-name " ? "

npm config get init-author-name.

npm config delete init-author-name - Then author is deleted.

Download moment package - npm install moment -g

npm uninstall moment --save.

Listing Packages.

npm list

npm list --depth 1 → It restricts the depth of the packages.

npm list --depth 0.

npm list --global true --depth 0

Npm Versioning

Semantic Versioning - Semantic versioning is a specification where a version is represented by 3 numbers that means the same thing for every developer.

cmd → npm install lodash --save

npm install lodash @ 3.3.0 --save - It give the version 3.3.0

npm install lodash@4.14 --save.

Installing from Package JSON

npm install lodash@3.3.0 --save --or give version
3.3.0

npm install lodash@4.14 --save.

Update

~~Installing from~~ Package JSON

We have to update our packages from time to time so that we can make use of package at the time of release.

cmd for update package: npm update lodash --save.

NPM Prune

Sometimes we have installed the packages that might be of no use. so when i run npm ~~list~~ in order to remove those packages we have to required npm prune command.

Some short cuts

The following short hand are parsed on the command line.

- v : --version
- h : --help -H : --usage
- S : --silent --loglevel silent
- q : --quiet --loglevel warn

5. -dd ; -- verbose log level verbose.
6. -g : -- global
7. -c : -- prefix
8. -l : -- long
9. -m : -- message
10. -P : -- porcelain : -- parseable
11. -xeg : -- registry
12. -F : -- force
13. -des : -- description
14. ~~-S~~ -S : -- save
15. -D : -- save dev

Q. What is Node JS

- ⇒ A platform which allows us to run javascript on a Computer/ server.
- ⇒ Read, delete and update files.
- ⇒ Easily communicate with the database

Q. Why it is so popular.

1. It uses javascript
2. Very fast (runs on V8 engine & use non-blocking code)
3. Huge ecosystem of open source packages. (npm)
4. Great for real time services like (chats)

* All the important Commands of Node.js :-

- Node --version
- npm --version
- npm --init → It will Create a Package.Json file.
- Type the Package Name like:- Mudit

to install Some Packages

npm install or short method is npm -i

npm install express --save

Node modules

Node modules is the file containing many types of dependencies which will be downloaded over the internet which we can use in our file.


npm i -g nodemon } It will download the package
• nodemon index.js }


Dev dependency → Some dependency ~~or~~ ~~to~~ ~~use~~ we want to use sometimes or during the Development time. which we can add and use.

• npm install --save-dev nodemon.
npm uninstall nodemon

Package lock.json → It is the file which contains all the dependency file as it ~~is~~ ~~a~~ ~~file~~ generates a dependency tree as it is

Imports How to import one file to another
like it we have two files

file1 

file2 

→ Show and Fetch data of each other is known as to import

Command use for importing or fetching the data of other file.

Scand.js → Cons Record = require("./second")

```
Record = {  
  name: "Ram"  
  name: 'Ram'  
  hobby: Music  
  developer: True  
  Experience: 2  
}
```

```
module.exports = hamy;
```