

# NPM package and Tools:

-Material icon theme(vs code extension)

```
node JS 7.2 npm init npm init prashantjain@Prashants-Mac-mini user % npm init This utility will walk you through creating a package.json file. It only covers the most common items, and tries to guess sensible defaults. See `npm help init` for definitive documentation on these fields and exactly what they do. Use `npm install <pkg>` afterwards to install a package and save it as a dependency in the package.json file. Press ^C at any time to quit. package name: (user) User Backend Sorry, name can only contain URL-friendly characters and name can no longer contain capital. package name: (user) user-backend version: (1.0.0) description: This project will have the backend code of our User project. entry point: (user.js) app.js test command: git repository: keywords: author: Complete Coding license: (ISC) About to write to /Users/prashantjain/workspace/NodeJS_Complete_Youtube/Chapter 6
```

```
node JS 7.4 npm Packages
```

- 1.npm: Node.js package manager for code sharing.
- 2.Package: Reusable code or library.
- 3.package.json: Defines package metadata and dependencies.
- 4.Versioning: Manages different package versions.
- 5.Local/Global: Install packages locally or globally.
- 6.Registry: Public storage for open-source packages.
- 7.Examples: Express, React, Lodash.



## 7.5 Installing Packages

`npm install <package-name>`

1. **-save:** Adds the package to the project's dependencies in `package.json`.
2. **-save-dev:** Adds the package to the project's `devDependencies` (used only in development) in `package.json`.
3. **-g:** Installs the package globally, making it available system-wide, not just in a specific project.
4. **-save-exact:** Installs the exact version specified without updating for newer versions.
5. **-force:** Forces npm to fetch and install packages even if they are already installed.



## 7.6 Installing nodemon



`npm install nodemon --save-dev`

user

> node\_modules

JS app.js

package-lock.json

package.json

JS user.js

user.txt

```
"scripts": {
  "test": "echo \"Error: no test specified\" && exit 1",
  "start": "node app.js",
  "khul-jā-sim-sim": "node app.js"
},
"author": "Complete Coding",
"license": "ISC",
"devDependencies": {
  "nodemon": "^3.1.7"
}
```

`npm install`

Recreates node\_modules.