

Node Js Practice

```
Command Prompt
Microsoft Windows [Version 10.0.19044.1706]
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C:\Users\mukumars>node -v
v16.13.1

C:\Users\mukumars>npm -v
8.1.2

C:\Users\mukumars>npm help
npm <command>

Usage:

npm install      install all the dependencies in your project
npm install <foo> add the <foo> dependency to your project
npm test         run this project's tests
npm run <foo>    run the script named <foo>
npm <command> -h quick help on <command>
npm -l          display usage info for all commands
npm help <term> search for help on <term> (in a browser)
npm help npm    more involved overview (in a browser)

All commands:

  access, adduser, audit, bin, bugs, cache, ci, completion,
  config, dedupe, deprecate, diff, dist-tag, docs, doctor,
  edit, exec, explain, explore, find-dupes, fund, get, help,
  hook, init, install, install-ci-test, install-test, link,
  ll, login, logout, ls, org, outdated, owner, pack, ping,
  pkg, prefix, profile, prune, publish, rebuild, repo,
  restart, root, run-script, search, set, set-script,
  shrinkwrap, star, stars, start, stop, team, test, token,
  uninstall, unpublish, unstar, update, version, view, whoami

Specify configs in the ini-formatted file:
  C:\Users\mukumars\.npmrc
or on the command line via: npm <command> --key=value

More configuration info: npm help config
Configuration fields: npm help 7 config
```

```
Command Prompt

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  C:\Users\mukumars\.npmrc
or on the command line via: npm <command> --key=value

More configuration info: npm help config
Configuration fields: npm help 7 config

npm@8.1.2 C:\Program Files\nodejs\node_modules\npm

C:\Users\mukumars>npm install -h
npm install

Install a package

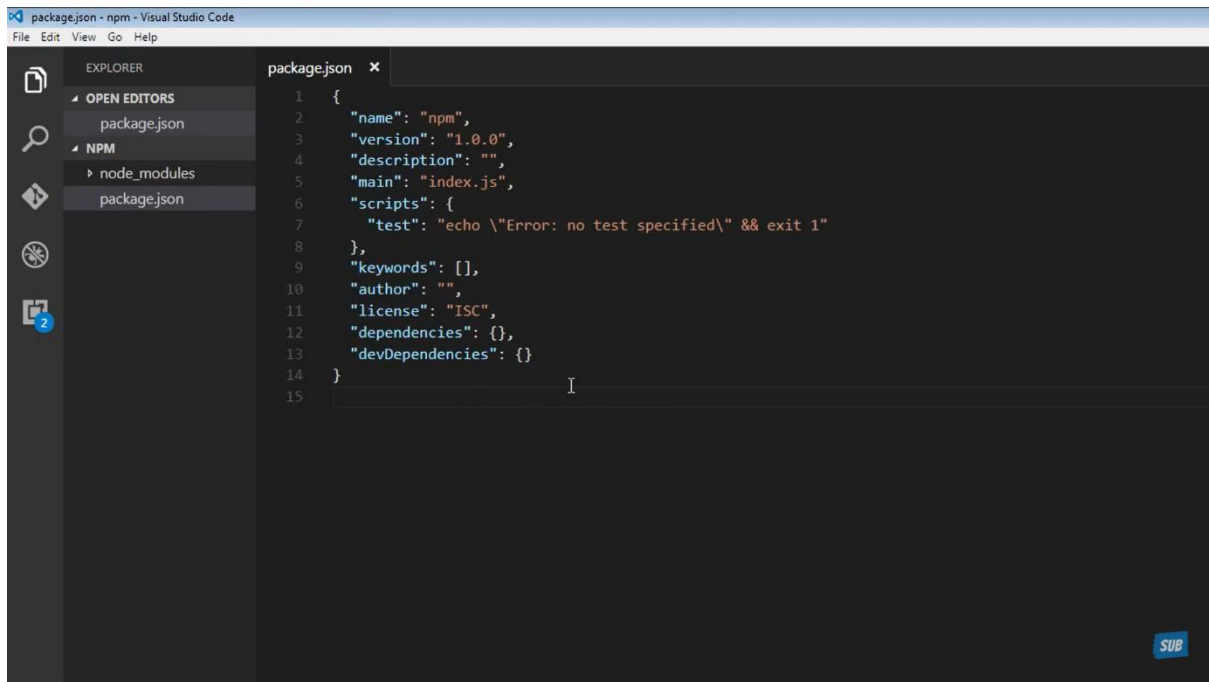
Usage:
npm install [<@scope>/]<pkg>
npm install [<@scope>/]<pkg><tag>
npm install [<@scope>/]<pkg><version>
npm install [<@scope>/]<pkg><version range>
npm install <alias>@npm:<name>
npm install <folder>
npm install <tarball file>
npm install <tarball url>
npm install <git:// url>
npm install <github username>/<github project>

Options:
[-S|--save|--no-save|--save-prod|--save-dev|--save-optional|--save-peer]
[-E|--save-exact] [-g|--global] [--global-style] [--legacy-bundling]
[--strict-peer-deps] [--no-package-lock]
[--omit <dev>|optional|peer] [--omit <dev>|optional|peer ...]] [--ignore-scripts]
[--no-audit] [--no-bin-links] [--no-fund] [--dry-run]
[-w|--workspace <workspace-name> [-w|--workspace <workspace-name> ...]]
[-ws|--workspaces] [--include-workspace-root]

aliases: i, in, ins, inst, insta, instal, isnt, isnta, isntal, add

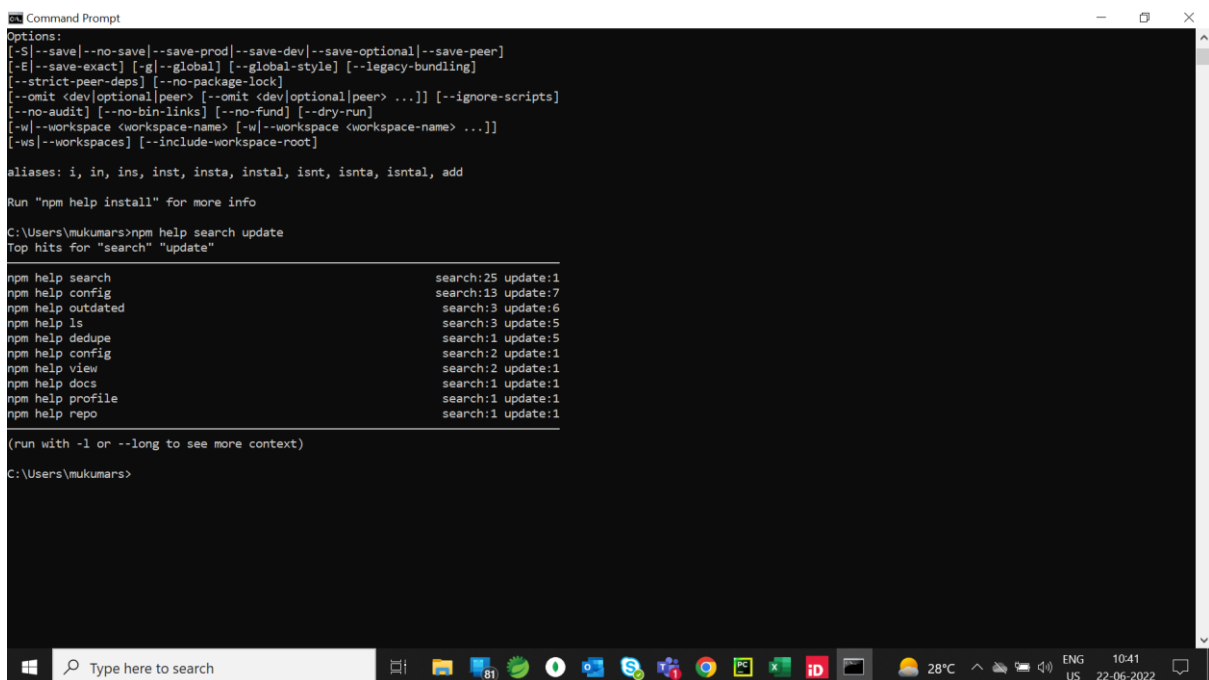
Run "npm help install" for more info

C:\Users\mukumars>npm help search update
```



The screenshot shows the Visual Studio Code editor with a file named `package.json` open. The Explorer sidebar on the left shows the file structure with `package.json` selected. The main editor area displays the following JSON content:

```
1 {
2   "name": "npm",
3   "version": "1.0.0",
4   "description": "",
5   "main": "index.js",
6   "scripts": {
7     "test": "echo \"Error: no test specified\" && exit 1"
8   },
9   "keywords": [],
10  "author": "",
11  "license": "ISC",
12  "dependencies": {},
13  "devDependencies": {}
14 }
15
```



The screenshot shows a Windows Command Prompt window with the following output:

```
Options:
[-S|--save|--no-save|--save-prod|--save-dev|--save-optional|--save-peer]
[-E|--save-exact] [-g|--global] [--global-style] [--legacy-bundling]
[--strict-peer-deps] [--no-package-lock]
[--omit <dev|optional|peer>] [--omit <dev|optional|peer> ...] [--ignore-scripts]
[--no-audit] [--no-bin-links] [--no-fund] [--dry-run]
[-w|--workspace <workspace-name>] [-w|--workspace <workspace-name> ...]
[-ws|--workspaces] [--include-workspace-root]

aliases: i, in, ins, inst, insta, isnt, isnta, isntal, add

Run "npm help install" for more info

C:\Users\mukumars>npm help search update
Top hits for "search" "update"

npm help search          search:25 update:1
npm help config          search:13 update:7
npm help outdated       search:3 update:6
npm help ls              search:3 update:5
npm help dedupe          search:1 update:5
npm help config          search:2 update:1
npm help view            search:2 update:1
npm help docs            search:1 update:1
npm help profile         search:1 update:1
npm help repo            search:1 update:1

(run with -l or --long to see more context)

C:\Users\mukumars>
```

Notes related to these concept:-

NodeJS

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 cmd - 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