

NPM in action

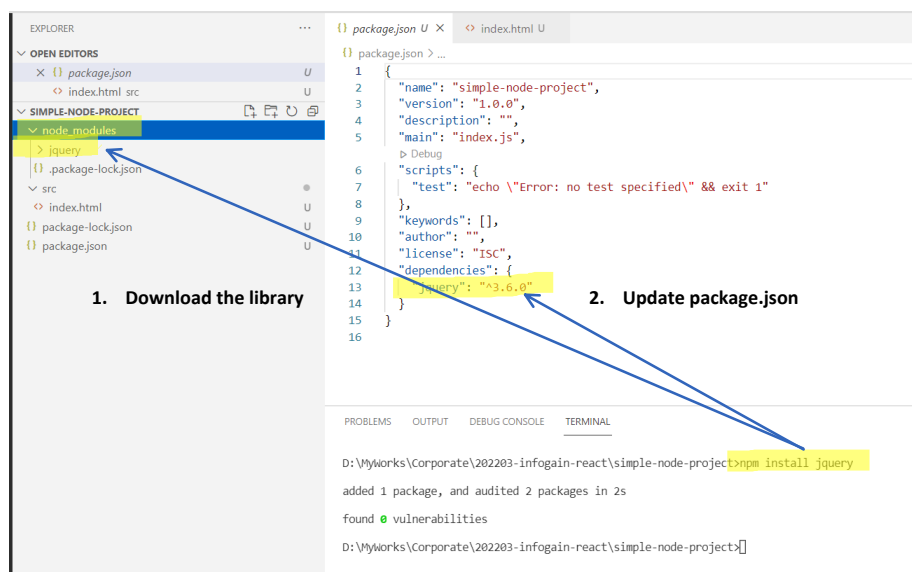
Wednesday, March 16, 2022 3:04 PM

Installing third party libraries

General command

```
$ npm install package-name
```

- We can abbreviate "install" to "i"
- package-names are unique and decided by component publisher
 - Normally it would same as their popular names
 - Sometimes there can additional suffix or prefix
 - You may have to search on <http://npmjs.org> or <https://google.com>
- Install downloads the library in **node_modules** folder
- It adds the library details as a dependency in my **package.json**



More Useful libraries like

Boot strap

- A great library containing predefined css and javascript for styling

Font Awesome

- A great library for including icons in your project

A word on node_modules

- Generally tends to grow very large very fast.
- A typical react project would start with 100mb+
- A typical angular project would start at 200mb+
- We don't want to update all these files to git every time.
- Generally we never upload "node_modules" to your git
- It is ignored by adding to ".gitignore" file
- We may also delete this folder when archiving our project
 - We can always reinstall our dependency.

Install multiple files together in one go

- We can spaces separate multiple names on a single install

```
$ npm install jquery bootstrap font-awesome
```

A simpler Shortcut

- Since all our dependencies are already recorded in your package.json, if we need to install all of them again we can use a simpler syntax

```
$ npm install
```

- When we don't specify package name, it installs everything mentioned in package.json

```
{ } package.json U x  <> index.html U
{ } package.json > { } dependencies
1  {
2    "name": "simple-node-project",
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     "bootstrap": "^5.1.3",
14     "font-awesome": "^4.7.0",
15     "jquery": "^3.6.0"
16   }
17 }
18
```