NODE- npm

NODE PACKAGE MANAGER

Initialize new project

npm init

npm init --yes

package.json

```
{
"name": "usman-76876567",
"version": "1.1.2",
"description": "",
"main": "index.js",
"scripts": {
"test": "echo \"Error: no test specified\" && exit 1"
},
"author": "",
"license": "ISC",
```

package.json

```
"dependencies": {
"mongoose": "^5.4.0",
"underscore": "^1.9.1",
"usman-768765674": "^1.1.2"
},
"devDependencies": {
"jshint": "^2.9.7"
}
}
```

npm install underscore

```
var _ = require('underscore');
const res = _.contains([1, 5, 7, 9], 9);
console.log(res);
//node looks in core modules
//if not found then files or folders
//lastly in node_modules folder
```

npm uninstall mongoose

Or npm un mongoose

- Will remove mongoose from node_modules folder and will update package.json file also

Source control

git init

git status

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore // add /node_modules

index.js

package-lock.json

package.json

nothing added to commit but untracked files present (use "git add" to track)

Semantic Versioning (Major.Minor.Patch)

Patch: bug fix

Minor: api addition

Major: previous api is modified

"mongoose": "^5.4.0” 5.x

npm package informaation

npm list //lists all packages and their dependencies and
//versions

npm list –depth-0 //lists only packages you installed

npm package informaation

npm view mongoose dependencies

npm view mongoose versions

npm i mongoose @2.3.13 //will install a 2.3.13 version

Updating local packages

npm outdated

Package	Current	Wanted	Latest	Location
mongoose	2.4.2	2.9.10	4.13.6	npm-demo
underscore	1.4.0	1.8.3	1.8.3	npm-demo

npm update

//underscore will be updated but not mongoose. Why ?

Updating local packages

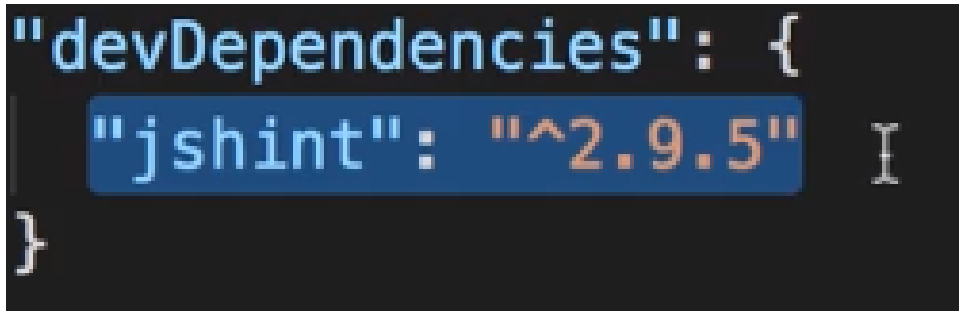
npm I –g npm-check-updates

npm-check-updates –u

npm install

Development Dependencies

npm i jshint –save-dev



Publishing a package

Make a unique name in package.json. E.g. name="usman1234"

>npm adduser //verify your email

>npm login

>npm publish

Now you can do

>npm I usman1234 ☺ //your first npm package. Use all exports from index.js

Updating a Published Package

npm publish // will give error.

npm version major

npm version minor

npm version patch

Babel

npm init --yes

npm i babel-cli babel-core babel-preset-env --save-dev

What babel does is

CONVERT THIS

```
const x = 10;
```

TO THAT

```
"use strict";

var x = 10;
```

WebPack

npm i -g webpack-cli

webpack-cli init //answer some questions

npm init

Update package.json add following command

"build": "webpack",