NPM

npm is a package manager for javascript.Find,share and reuse packages of code from hundreds of developers and assemble them in powerful ways

coomands:

npm help --> it helps to get other commands

To get package.json file we use command: npm init --yes

To change values to default in package.json file we use command : npm config set init-author-name "khairu"

To delete default values in package.json file we use command : npm config delete init-author-name

To install any dependencies we use command: npm install boostrap(dependency name)

To save that dependency in package.json we use command: npm install bootstrap --save

In some case some depencies not required for production in that case we include that in dev-depencies we use command: npm install lodash --save-dev

To uninstall the dependency and save in package.json we use command: npm uninstall/remove/un/rm bootstrap --save

To uninstall the dependency and save in package.json from dev-dependencies we use command: npm uninstall lodash --save-dev

To install the dependency globally we use command: npm install bootstrap -g

To uninstall the dependency globally we use command: npm install bootstrap -g

To get list of locally installed packages we use command: npm list --depth 0

To get list of globally installed packages we use command: npm list --global true --depth 0

Npm versioning: npm install lodash@a.b.c

a.b.c==> a is major when there is a change in functional of a package it will be updated

b is a minor version whenthere is a feature added to package the it will be updated

c is a patch version when bug is reolved it will be updated

In package.json if package is with carat symbol(^) it exclude major version ,if it is with ~ symbol it exclude both major and minor version and updates with lastest patch version.

If you want everything in updated version then use \* in package.json file like: "lodash":"\*".

Anytime if you want to uninstall not required depencies(extreneous package) i.e, which are not in package.json you can use command: npm prune

Shortcuts:

npm init -y(to install package.json)

npm i (to install all packages which are in package.json)

npm i lodash -S(to install and save that in package.json)

npm i lodash -D(to install and save that in dev-depencies in package.json )