Updating Local Packages

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```json
{
  "name": "npm-demo",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC",
  "keywords": [],
  "description": "",
  "dependencies": {
    "mongoose": "^2.4.2", // 2.x
    "underscore": "^1.4.0"
  }
}
```

```
[npm-demo $
[npm-demo $npm outdated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-demo $npm update
npm WARN  deprecated mongodb@1.2.14: Please upgrade to 2.2.19 or higher

> bson@0.1.8 install /Users/moshfeghhamedani/Desktop/node-course/npm-demo/node_modules/
bson
> (node-gyp rebuild 2> builderror.log) || (exit 0)

  CXX(target) Release/obj.target/bson/ext/bson.o
npm WARN  npm-demo@1.0.0 No description
npm WARN  npm-demo@1.0.0 No repository field.


+ underscore@1.8.3
+ mongoose@2.9.10
added 1 package, removed 1 package and updated 4 packages in 6.134s
npm-demo $
```

```
1   // mkdir npm-demo ; cd npm-demo ;sudo npm init --yes ; sudo npm i mongoose underscore ; sudo npm i -g
    npm-check-updates
2   // Caret(^) : "^4.13.6" it means the version could be any thing like 4.x for dependencies in package.
    json
3   // Semantic Versioning : SemVer
4   // Major.Minor.Patch : 4.13.7
5   // Tilde(^) : "~4.13.6" it means the version could be any thing like 4.13.x for dependencies in
    package.json
6   // Major : the application will not run if not same major version
7   // After major versioning it will look like 5.0.0
8   // Minor : new functionality added in the previous version
9   // After minor versioning it will look like 4.14.0
10  // Patch : bug fixes
11  // With 'npm update' command only minor and patch release is updating not the major one.
12  // sudo npm i -g npm-check-updates : for installing ncu
13
14  // mkdir npm-demo : cd npm-demo ;sudo npm init --yes ; sudo npm i mongoose underscore : to make
    directory and install packages
15  // sudo npm outdated : it will list all current(2.4.2), wanted(2.9.10) and latest(4.13.6) version of
    the package
16  // sudo npm update : it will update to the wanted version
17  // sudo npm i -g npm-check-updates : installing npm-check-updates globally
18  // sudo ncu -u : updating package.json to the latest version
19  // sudo npm i : for installing the dependencies according to the version listed in the package.json
```

README.md - Applications - Visual Studio Code

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EXPLORER

∨ OPEN EDITORS
　× ⓘ README.md 11. Updating Local Packages　U

∨ APPLICATIONS
　› 01. Introduction
　› 02. Package.json
　› 03. Installing a Node Package
　› 04. Using a Package
　› 05. Package Dependencies
　› 06. NPM Packages and Source Control
　› 07. Semantic Versioning
　› 08. Listing the Installed Packages
　› 09. Viewing Registry Info for a Package
　› 10. Installing a Specific Version of a Package
　∨ 11. Updating Local Packages
　　› npm-demo
　　ⓘ README.md　U
　› 12. DevDependencies
　› 13. Uninstalling a Package
　› 14. Working with Global Packages
　› 15. Publishing a Package
　› 16. Updating a Published Package
　› 17. NPM Recap

DEBUG CONSOLE　　PROBLEMS ②　　OUTPUT　　TERMINAL

12: bash

```
dandy@My-Ubuntu:~/Keep/Node.js/03. Node Package Manager/Applications/11. Updating Local Packages/npm-demo/npm-demo$ mkdir npm-demo ; cd npm-demo ;sudo npm init --yes ; sudo npm i mongoose unde
rscore
Wrote to /home/dandy/Keep/Node.js/03. Node Package Manager/Applications/11. Updating Local Packages/npm-demo/npm-demo/npm-demo/package.json:

{
  "name": "npm-demo",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC"
}


npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN npm-demo@1.0.0 No description
npm WARN npm-demo@1.0.0 No repository field.

+ underscore@1.9.2
+ mongoose@5.9.6
added 31 packages from 19 contributors and audited 39 packages in 3.673s

1 package is looking for funding
  run `npm fund` for details

found 0 vulnerabilities

dandy@My-Ubuntu:~/Keep/Node.js/03. Node Package Manager/Applications/11. Updating Local Packages/npm-demo/npm-demo/npm-demo$ sudo npm outdated
dandy@My-Ubuntu:~/Keep/Node.js/03. Node Package Manager/Applications/11. Updating Local Packages/npm-demo/npm-demo/npm-demo$ sudo npm update
dandy@My-Ubuntu:~/Keep/Node.js/03. Node Package Manager/Applications/11. Updating Local Packages/npm-demo/npm-demo/npm-demo$ sudo npm i -g npm-check-updates
npm WARN deprecated mkdirp@0.5.4: Legacy versions of mkdirp are no longer supported. Please update to mkdirp 1.x. (Note that the API surface has changed to use Promises in 1.x.)
/usr/bin/npm-check-updates -> /usr/lib/node_modules/npm-check-updates/bin/npm-check-updates
/usr/bin/ncu -> /usr/lib/node_modules/npm-check-updates/bin/ncu
npm WARN notsup Unsupported engine for pacote@11.1.4: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: pacote@11.1.4
npm WARN notsup Unsupported engine for semver@7.1.3: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: semver@7.1.3
npm WARN notsup Unsupported engine for cacache@15.0.0: wanted: {"node":">= 10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: cacache@15.0.0
npm WARN notsup Unsupported engine for @npmcli/installed-package-contents@1.0.5: wanted: {"node":">= 10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: @npmcli/installed-package-contents@1.0.5
npm WARN notsup Unsupported engine for npm-package-arg@8.0.1: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: npm-package-arg@8.0.1
npm WARN notsup Unsupported engine for mkdirp@1.0.3: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: mkdirp@1.0.3
npm WARN notsup Unsupported engine for npm-packlist@2.1.1: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: npm-packlist@2.1.1
npm WARN notsup Unsupported engine for npm-registry-fetch@8.0.0: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: npm-registry-fetch@8.0.0
npm WARN notsup Unsupported engine for tar@6.0.1: wanted: {"node":">= 10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: tar@6.0.1
npm WARN notsup Unsupported engine for npm-install-checks@4.0.0: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: npm-install-checks@4.0.0
npm WARN notsup Unsupported engine for make-fetch-happen@8.0.4: wanted: {"node":">= 10"} (current: {"node":"8.10.0","npm":"6.14.3"})
```

⊘ OUTLINE

⑂ master*　⊗ 0 ⚠ 0 ⓘ 2　⌥ markdown │ ✓ README.md　　　　　　Ln 19, Col 100　Spaces: 4　UTF-8　LF　Markdown

```
npm WARN npm-demo@1.0.0 No repository field.

+ underscore@1.9.2
+ mongoose@5.9.6
added 31 packages from 19 contributors and audited 39 packages in 3.673s

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found 0 vulnerabilities

dandy@My-Ubuntu:~/Keep/Node.js/03. Node Package Manager/Applications/11. Updating Local Packages/npm-demo/npm-demo/npm-demo$ sudo npm outdated
dandy@My-Ubuntu:~/Keep/Node.js/03. Node Package Manager/Applications/11. Updating Local Packages/npm-demo/npm-demo/npm-demo$ sudo npm update
dandy@My-Ubuntu:~/Keep/Node.js/03. Node Package Manager/Applications/11. Updating Local Packages/npm-demo/npm-demo/npm-demo$ sudo npm i -g npm-check-updates
npm WARN deprecated mkdirp@0.5.4: Legacy versions of mkdirp are no longer supported. Please update to mkdirp 1.x. (Note that the API surface has changed to use Promises in 1.x.)
/usr/bin/npm-check-updates -> /usr/lib/node_modules/npm-check-updates/bin/npm-check-updates
/usr/bin/ncu -> /usr/lib/node_modules/npm-check-updates/bin/ncu
npm WARN notsup Unsupported engine for pacote@11.1.4: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: pacote@11.1.4
npm WARN notsup Unsupported engine for semver@7.1.3: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: semver@7.1.3
npm WARN notsup Unsupported engine for cacache@15.0.0: wanted: {"node":">= 10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: cacache@15.0.0
npm WARN notsup Unsupported engine for @npmcli/installed-package-contents@1.0.5: wanted: {"node":">= 10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: @npmcli/installed-package-contents@1.0.5
npm WARN notsup Unsupported engine for npm-package-arg@8.0.1: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: npm-package-arg@8.0.1
npm WARN notsup Unsupported engine for mkdirp@1.0.3: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: mkdirp@1.0.3
npm WARN notsup Unsupported engine for npm-packlist@2.1.1: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: npm-packlist@2.1.1
npm WARN notsup Unsupported engine for npm-registry-fetch@8.0.0: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: npm-registry-fetch@8.0.0
npm WARN notsup Unsupported engine for tar@6.0.1: wanted: {"node":">= 10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: tar@6.0.1
npm WARN notsup Unsupported engine for npm-install-checks@4.0.0: wanted: {"node":">=10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: npm-install-checks@4.0.0
npm WARN notsup Unsupported engine for make-fetch-happen@8.0.4: wanted: {"node":">= 10"} (current: {"node":"8.10.0","npm":"6.14.3"})
npm WARN notsup Not compatible with your version of node/npm: make-fetch-happen@8.0.4

+ npm-check-updates@4.0.6
updated 1 package in 13.976s
dandy@My-Ubuntu:~/Keep/Node.js/03. Node Package Manager/Applications/11. Updating Local Packages/npm-demo/npm-demo/npm-demo$ sudo ncu -u
Upgrading /home/dandy/Keep/Node.js/03. Node Package Manager/Applications/11. Updating Local Packages/npm-demo/npm-demo/npm-demo/package.json
[====================] 2/2 100%

All dependencies match the latest package versions :)
dandy@My-Ubuntu:~/Keep/Node.js/03. Node Package Manager/Applications/11. Updating Local Packages/npm-demo/npm-demo/npm-demo$ sudo npm i
npm WARN npm-demo@1.0.0 No description
npm WARN npm-demo@1.0.0 No repository field.

audited 39 packages in 2.53s

1 package is looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```