



Useful Websites	
NPM Homepage/Search	<a href="https://www.npmjs.com/">https://www.npmjs.com/</a>
NPM Documentation	<a href="https://docs.npmjs.com/">https://docs.npmjs.com/</a>

Useful Commands	
Version	<code>npm -v</code>
Update npm	<code>npm i -g npm</code>
Project quick-start	<code>npm init -y</code>
Docs	<code>npm -h</code>
Command Docs	<code>Npm {command} -h</code>

Package Management	
Install Global Package	<code>npm i -g {package}</code>
List Outdate Globals	<code>npm outdated -g</code>
Delete Global	<code>npm un -g {package}</code>
Update Global	<code>npm up -g</code>
Install Dependency	<code>npm i {packageName}</code>
Install Development Dep.	<code>npm i -D {package}</code>
Install Optional Dep.	<code>npm i -O {package}</code>
Install package version	<code>npm i {package}@{version}</code>
Search for a package	<code>npm s {term}</code>

Project Functions	
Install Dep and Dev Dep	<code>npm i</code>
Install only Dep	<code>npm i --production</code>

Running Package Scripts	
Run scripts.start	<code>npm start</code>
Run scripts.test	<code>npm test</code>
Run scripts.stop	<code>npm stop</code>
Run scripts.{myScript}	<code>npm run {myScript}</code>

Useful Packages	
<code>nodemon</code>	Development file watching tool
<code>express.js</code>	Server routing
<code>pm2</code>	Process Manager
<code>socket.io</code>	Socket functionality
<code>gulp</code>	Task Runner
<code>webpack</code>	Module Bundler
<code>babel</code>	ES Transpiler
<code>mocha</code>	Test Framework
<code>passport</code>	User Authentication
<code>nodemailer</code>	Email sending
<code>karma</code>	Test Runner
<code>eslint</code>	Code Quality
<code>nsp</code>	Node Security Platform
<code>nequalize</code>	SQL DB access
<code>mongoose</code>	Mongo Access

Useful Websites	
Node.js Homepage/Download	<a href="https://nodejs.org/en/">https://nodejs.org/en/</a>
Node.js Documentation	<a href="https://nodejs.org/api/">https://nodejs.org/api/</a>

Useful Commands	
Version	<code>node -v</code>
Node shell	<code>node</code>
Run a file	<code>node {myFile}.js</code>

package.json Example	
<pre>{   "name": "npm_node_reference_sheet",   "version": "1.0.0",   "description": "NPM/Node cheat sheet",   "main": "index.js",   "scripts": {     "test": "echo \"Unspecified\" &amp;&amp; exit 1"   },   "keywords": ["npm", "node", "cheat sheet"],   "author": "Trace Sinclair",   "license": "MIT" }</pre>	

package.json Attributes	
<b>name</b>	Unique name, no upper case
<b>version</b>	Semantic Version
<b>description</b>	Package description
<b>keywords</b>	Array of terms for search engines
<b>homepage</b>	The URL to the project homepage
<b>bugs</b>	The URL to the projects issue tracker
<b>license</b>	Licensing and restrictions
<b>author</b>	Name/email/URL of author
<b>contributor</b>	Array of contributors(Name/email/URL)
<b>files</b>	Array of file patterns for installing
<b>main</b>	The main entry point of the package
<b>bin</b>	Path to executables for PATH inclusion
<b>man</b>	Single or multiple Man pages
<b>directories</b>	Indicate the structure of your package
<b>repository</b>	Specify the place where your code lives
<b>scripts</b>	Dictionary of defined scripts to run
<b>config</b>	Set of parameters available in scripts
<b>dependencies</b>	Packages required for production and development use
<b>devDependencies</b>	Packages used during development ie: compiling, testing, documentation
<b>peerDependencies</b>	Compatibility related packages/version, usually used for plugins
<b>optionalDependencies</b>	Optional dependencies, install will not fail if unable to download, and code should handle the missing package
<b>engines</b>	Specify the Node version compatibility
<b>os</b>	Specify OS compatibility
<b>cpu</b>	Specify CPU architecture compatibility
<b>private</b>	Flag to indicate if NPM can publish
<b>publishConfig</b>	Config overrides when publishing