

Node

Search the registry for package

```
npm s <search term>
```

Install package and save it to package.json

```
npm i [-g] <package-name>[@semver]
[--save[-dev]]
```

Show **version(s)** of package

```
npm v <package-name> [--version
[s]]
```

Uninstall packages

```
npm rm <package-name>
```

List packages

```
npm ls [<package-name>] --depth=0
```

Go to **documentation** page of package

```
npm docs <package-name>
```

Go to **issue** page of package

```
npm bugs <package-name>
```

List **outdated** packages

```
npm outdated [-g]
```

Angular 2 CLI

Generate **Component**

```
ng g component <name>
```

Generate **Directive**

```
ng g directive <name>
```

Generate **Pipe**

```
ng g pipe <name>
```

Generate **Service**

```
ng g service <name>
```

Generate **Class**

```
ng g class <name>
```

Generate **Interface**

```
ng g interface <name>
```

Run application in local server

```
ng serve
```

Creating a **build** and change environment

```
ng build [--e=<name>]
```

Testing your application

```
ng test | e2e
```

Jasmine

Matchers

```
expect(array).toContain(member);
expect(fn).toThrow(string);
expect(fn).toThrowError(string);
expect(instance).toBe(instance);
expect(mixed).toBeDefined();
expect(mixed).toBeFalsy();
expect(mixed).toBeNull();
expect(mixed).toBeTruthy();
expect(mixed).toBeUndefined();
expect(mixed).toEqual(mixed);
expect(mixed).toMatch(pattern);
expect(num).toBeGreaterThan(num);
expect(num).toBeLessThan(num);
```

Syntax

```
describe("A suite", () => {
  beforeEach(function() {
  });
  afterEach(function() {
  });
  it("an assertion", function() {
    expect(true).toBe(true);
  });
});
```

Semantic Versioning

- **major**: incompatible API changes
- **minor**: backwards-compatible functionality
- **patch**: backwards-compatible bug fixes

Version	Explanation
1.2.3	A specific version
>1.2.3	Greater than a specific version
<1.2.3	Less than a specific version
>=1.2.3	Greater than or equal to
<=1.2.3	Less than or equal to
~1.2.3	(>=1.2.3 <1.3.0) close to 1.2.3
~1.2	(>=1.2.0-0 <1.3.0-0) any version starting with 1.2
^1.2.3	(>=1.2.3 <2.0.0) compatible with 1.2.3
^0.1.3	(0.1.3) 0.x.x = unstable
^1.2	(>=1.2.0-0 <2.0.0-0) any version compatible with 1.2
*	any version

Front-End Cheat Sheet

- **|** = or, **<>** = user input, **[]** = optional
- Creator: [@markus_falk](#)
- License: [MIT](#)

Sources

- <http://jasmine.github.io/edge/introduction.html>
- <http://semver.org/>
- <https://github.com/angular/angular-cli>
- <https://www.npmjs.org/doc/>