**Clean code practices**

* Small functions/method (10lines of code or less)
* Proper naming
* Single responsibility

**First Step**

* Open the testing-demo folder
* Install dependencies
* npm install
* After installing all the dependencies
* Give ng test command
* Then it will launch application using **karma 🡪 test runner**
* <http://localhost:9876/?id=76607605>

**create compute.ts file**

export function compute(number) {

    if (number < 0)

        return 0;

    return number + 1;

}

**create compute.spec.ts file**

Test file naming conversion should have the specific pattern

We need mention **<filename.spec.ts>** like this. Then only karma test runner will consider as a test file

import { compute } from "./compute"

describe('compute', () => {

    it('should return 0 if input is negative', () => {

        const result = compute(-1)

        expect(result).toBe(0);

    })

    it('should increment the input if it is positive', () => {

        const result = compute(1)

        expect(result).toBe(2);

    })

})

**Jasmine**

It is a test framework, which provides bunch of function what we use to write test

Describe() // used to define a group of test (suite)

It() // used to define a test (spec)