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Vinícius Zibetti Resko

Coding Dojo Cheat sheet – CE229

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Tests:

1) **Testing some <u>array</u> return:**

```
expect([-5,1,2]).to.deep.equal([-5,1,2]);
```

2) **Testing some <u>value</u> return:**

```
expect(5).to.equal(5);
```

3) **Testing <u>throw</u>**

```
expect(() => function()).to.throw(Error, 'Some error message');
```

4) **Testing some <u>return type</u>:**

```
expect(Something).to.be.an('Object');
```

Code:

1) **For loop:**

```
for (var i = 0; i < 3; i++) {
    console.log(i);
}
```

2) **Checks if a value is a number:**

```
isNaN(5)
returns true

isNaN('dasd')
returns false
```

3) **Gets a substring of a string:**

```
"testing".substring(2)
returns "sting"

"testing".substring(2,3)
returns "sti"
```

4) Regex:

```
/[\s]/: Regex goes between two //, this example filters spaces
```

5) The String.split():

```
"testing is awesome".split(/[\s]/)
returns ["testing", "is", "awesome"]
```

6) The Array.map() function:

```
[1, 2, 3].map((value) => value + 100)
returns [101, 102, 103];
```

7) The Array.reduce() function:

```
var employees = [
    {
        name: 'Joao',
        salary: 1312,
    },
    {
        name: 'Maria',
        salary: 3312
    },
    {
        name: 'Vinicius',
        salary: 5
    }
];

employees.reduce((totalSalary, emplo) => totalSalary + emplo.salary, 0)
returns 4629
```

8) The Array.filter() function:

```
[185, 150, 200, 175].filter((value) => value < 180);
returns [150, 175]
```