**Coding activity 7.1**

**Index:**

<script src="greet.js"></script>

<script>

 greet("Elizabeth");

var result=greet();

console.log(result);

var result=greet("JOSE");

console.log(result);

var result=greet("Jose,Pep");

console.log(result);

var result=greet("Alex,Arsene,Jose,Zidane");

console.log(result);

</script>

**Greet.js:**

function greet(name)

{

    if(name===null || name===undefined)

    return 'Hello there!';

    if(typeof name===typeof[]){

        if(name.length>0){

            let names="";name.forEach(element => {

                names +=','+element

                 });

                 return 'Hello' + names;

       }

                 return 'Hello there!';

    }

      if(name===name.toUpperCase())

      {

          return 'HELLO '+name+'!';

      }

      return 'Hello, '+name;

}

module.exports=greet;

**Greet.test.js:**

var greet=require('./greet');

describe('test greet()',function(){

    it('should greet a name',function(){

        expect(greet('Elizabeth')).toEqual('Hello, Elizabeth');

    });

    it('should handle null value',function(){

        expect(greet()).toEqual('Hello there!');

    });

    it('should handle shouting',function(){

        expect(greet('JOSE')).toEqual('HELLO JOSE!');

    });

    it('should handle 2 names',function(){

        expect(greet([' Jose','Pep'])).toEqual('Hello, Jose,Pep');

    });

    it('should handle multiple names',function(){

        expect(greet([' Alex','Arsene','Jose','Zidane'])).toEqual('Hello, Alex,Arsene,Jose,Zidane');

    });

});

**Output:**

