

TP05 - FizzBuzz

Code test

```
import fizzBuzz from "../src/fizzBuzz";

describe('FizzBuzz tdd test', () => {
  let answer : string[];

  beforeAll(async () => {
    answer = fizzBuzz(15);
  });
  it('should return \"Fizz\" if i is divisible by 3', () => {
    expect(answer[3-1]).toBe("Fizz");
  });
  it('should return \"Buzz\" if i is divisible by 5', () => {
    expect(answer[5-1]).toBe("Buzz");
  });
  it('should return \"FizzBuzz\" if i is divisible by 3 and 5', () => {
    expect(answer[15-1]).toBe("FizzBuzz");
  });
  it('should return \"i\" if i is NOT divisible by 3 or 5', () => {
    expect(answer[1-1]).toBe("1");
  });
  it('should return the proper list of strings', () => {
    expect(answer).toStrictEqual([
      "1", "2", "Fizz", "4", "Buzz",
      "Fizz", "7", "8", "Fizz",
      "Buzz", "11", "Fizz", "13",
      "14", "FizzBuzz"
    ]);
  });
});
```

Code source

```
export default function fizzBuzz (n : number) : string[] {  
  let result : string[] = [];  
  
  for(let i = 1; i < n + 1; i++){  
    if((i % 3 == 0) && !(i % 5 == 0)){  
      result.push("Fizz");  
    }  
    else if(!(i % 3 == 0) && (i % 5 == 0)){  
      result.push("Buzz");  
    }  
    else if((i % 3 == 0) && (i % 5 == 0)){  
      result.push("FizzBuzz");  
    }  
    else{  
      result.push(i.toString());  
    }  
  }  
  return result;  
};
```