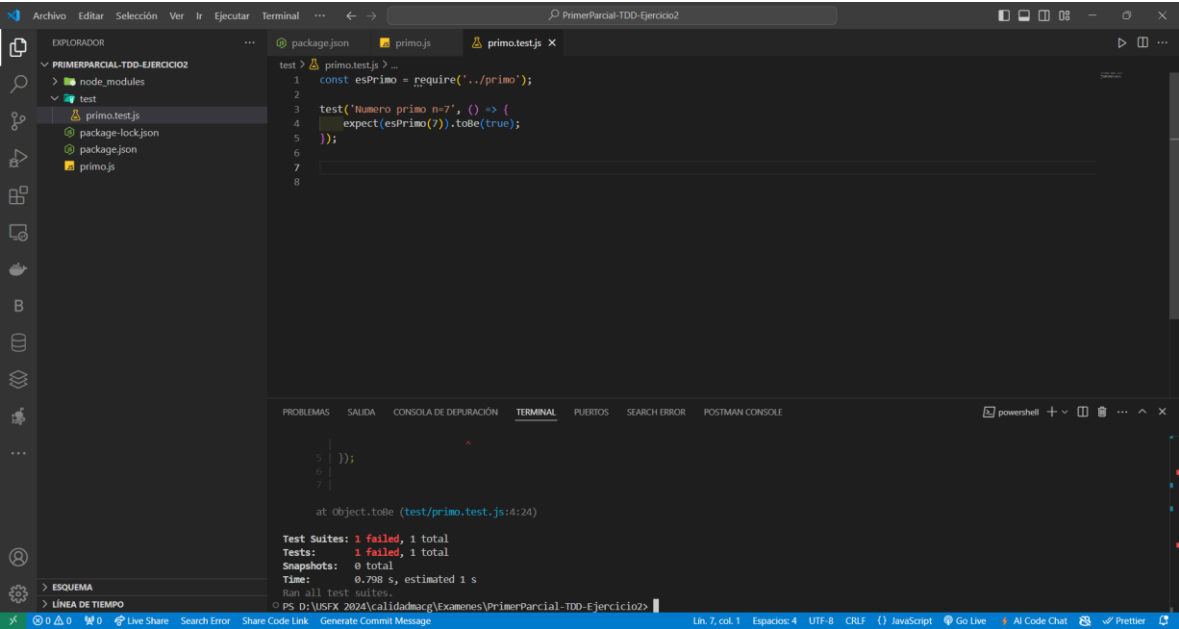


PRIMER PARCIAL TDD

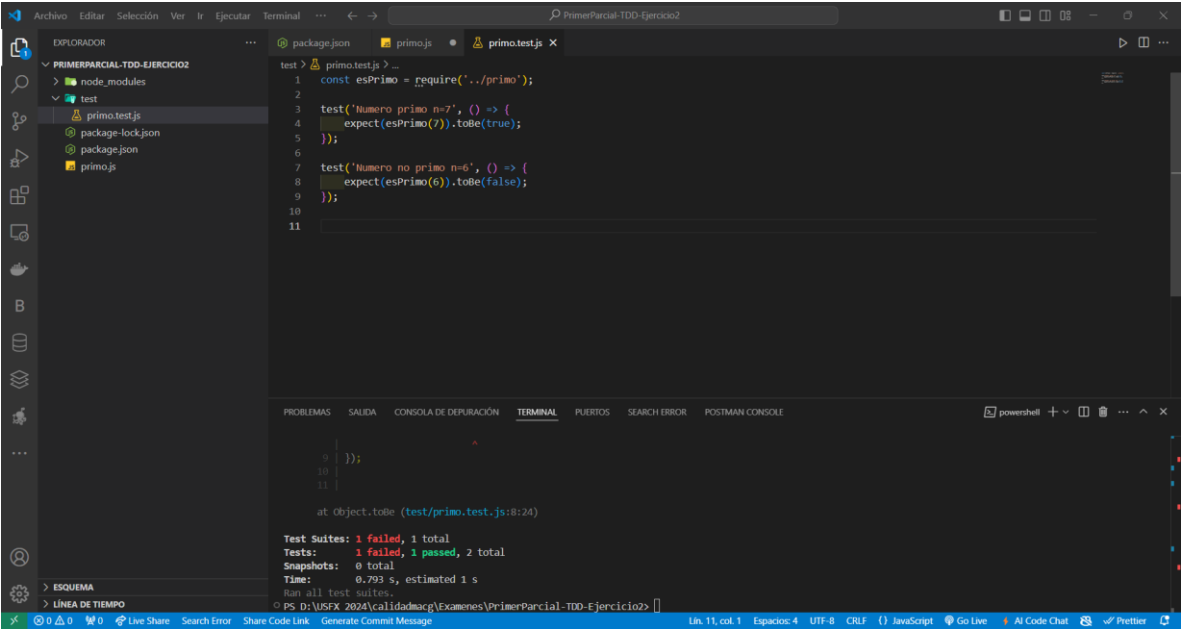
Choque García Miguel Angel

Ejercicio 2: Numeros primos

Se hizo la primera prueba que no paso porque no existe la función



Se hace la segunda prueba la cual no pasa



The screenshot shows the VS Code editor with a project named 'PrimerParcial-TDD-Ejercicio2'. The file explorer on the left shows the project structure: 'PRIMERPARCIAL-TDD-EJERCICIO2' containing 'node\_modules', 'test', 'package-lock.json', 'package.json', and 'primo.js'. The 'test' directory contains 'primo.test.js'. The 'primo.test.js' file is open in the editor, showing the following code:

```
test > primo.test.js > ...
1 const esPrimo = require('../primo');
2
3 test('Numero primo n=7', () => {
4   expect(esPrimo(7)).toBe(true);
5 });
6
7 test('Numero no primo n=6', () => {
8   expect(esPrimo(6)).toBe(false);
9 });
10
11
```

The terminal at the bottom shows the output of running the tests:

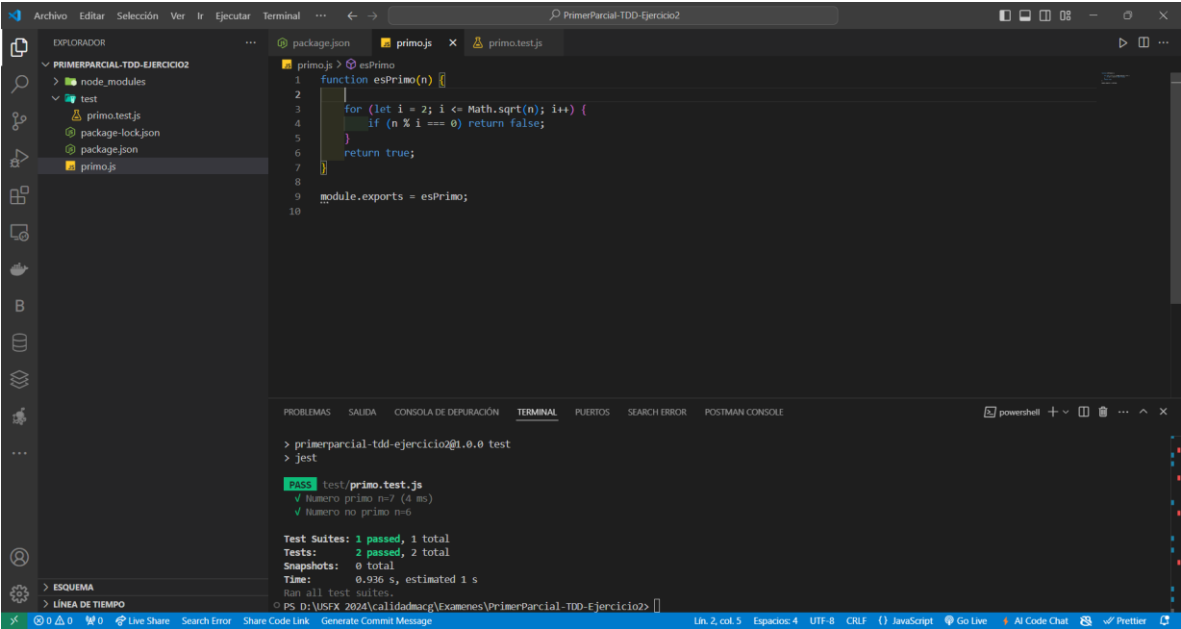
```

  9 |   });
 10 |
 11 |
    at Object.toBe (test/primo.test.js:8:24)

Test Suites: 1 failed, 1 total
Tests:       1 failed, 1 passed, 2 total
Snapshots:  0 total
Time:        0.793 s, estimated 1 s
Run all test suites.
PS D:\USFX 2024\calidadadap\Exámenes\PrimerParcial-TDD-Ejercicio2>

```

Modificando la función pasa la segunda prueba



The screenshot shows the VS Code editor with the same project. The 'primo.js' file is now open, showing the implementation of the 'esPrimo' function:

```

1 function esPrimo(n) {
2   for (let i = 2; i <= Math.sqrt(n); i++) {
3     if (n % i === 0) return false;
4   }
5   return true;
6 }
7
8 module.exports = esPrimo;
9
10
```

The terminal at the bottom shows the output of running the tests again:

```

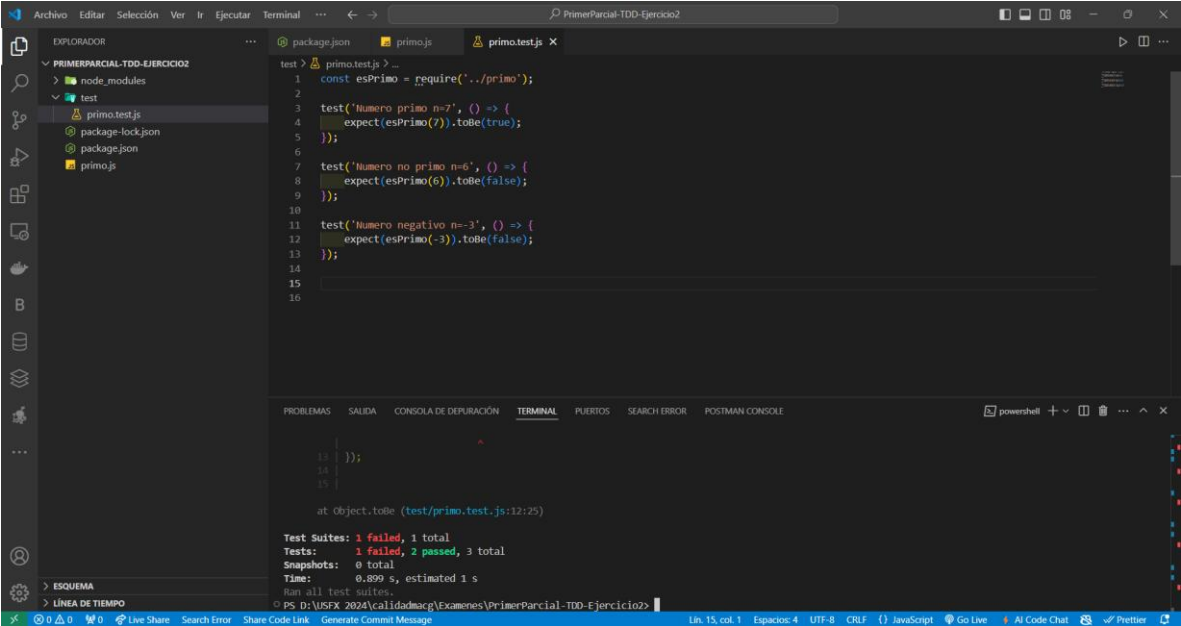
> primerparcial-tdd-ejercicio2@1.0.0 test
> jest

PASS test/primo.test.js
  ✓ Numero primo n=7 (4 ms)
  ✓ Numero no primo n=6

Test Suites: 1 passed, 1 total
Tests:       2 passed, 2 total
Snapshots:  0 total
Time:        0.936 s, estimated 1 s
Run all test suites.
PS D:\USFX 2024\calidadadap\Exámenes\PrimerParcial-TDD-Ejercicio2>

```

No pasa la tercera prueba



The screenshot shows the VS Code editor with the same project. The 'primo.test.js' file is open, showing the following code:

```
test > primo.test.js > ...
1 const esPrimo = require('../primo');
2
3 test('Numero primo n=7', () => {
4   expect(esPrimo(7)).toBe(true);
5 });
6
7 test('Numero no primo n=6', () => {
8   expect(esPrimo(6)).toBe(false);
9 });
10
11 test('Numero negativo n=-3', () => {
12   expect(esPrimo(-3)).toBe(false);
13 });
14
15
16
```

The terminal at the bottom shows the output of running the tests again:

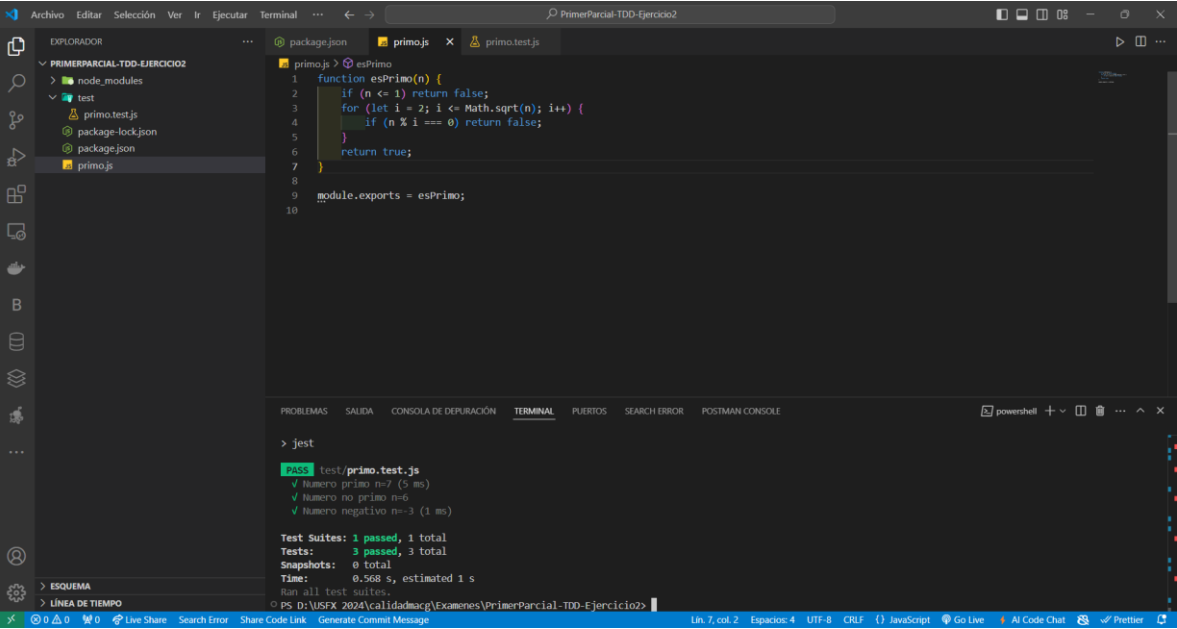
```

 13 |   });
 14 |
 15 |
    at Object.toBe (test/primo.test.js:12:25)

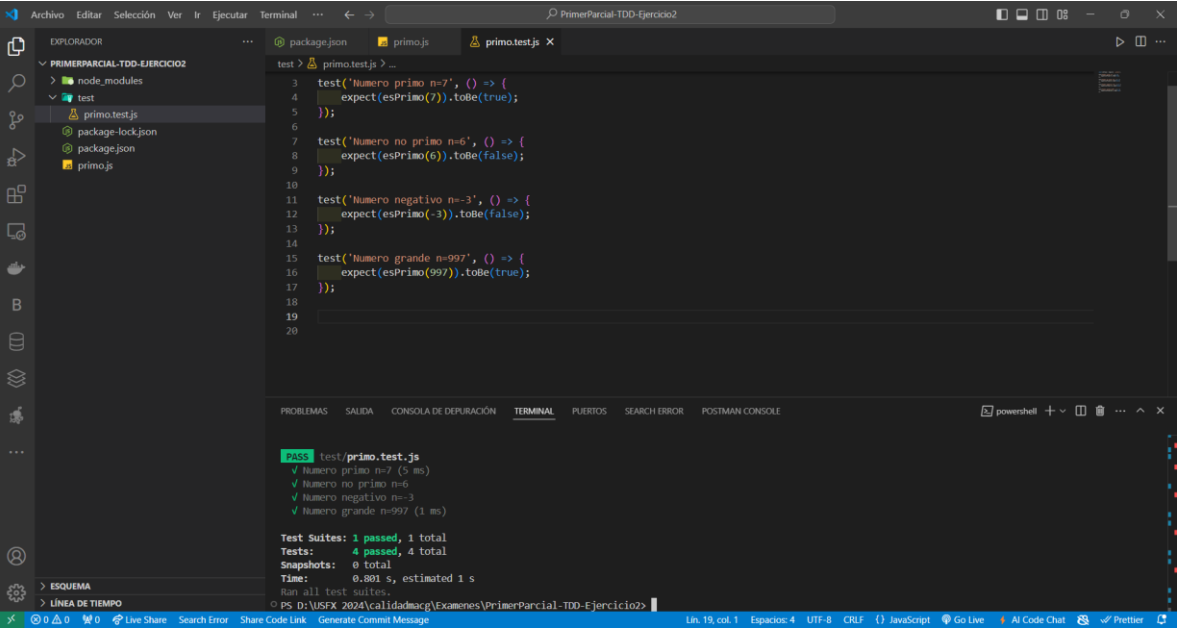
Test Suites: 1 failed, 1 total
Tests:       1 failed, 2 passed, 3 total
Snapshots:  0 total
Time:        0.899 s, estimated 1 s
Run all test suites.
PS D:\USFX 2024\calidadadap\Exámenes\PrimerParcial-TDD-Ejercicio2>

```

Modificando la función pasa la tercera prueba



Pasa la cuarta prueba con éxito



Y finalmente pasa la quinta prueba con éxito

