

Exercício 9 - (entrega 13/05)

Fernanda Guimarães - 2016058166

Questão1

```
class Fibonacci {
    private int first_number;
    private int second_number;

    public Fibonacci (int first_number, int second_number) {
        this.first_number = first_number;
        this.second_number = second_number;
    }

    public int next(){
        int next = this.first_number + this.second_number;
        return next;
    }

    public static void main(String[] args) {
        int a1 = 1;
        int a2 = 2;

        Fibonacci fibonacci = new Fibonacci(a1, a2);
        System.out.println(fibonacci.next());
    }
}

import org.junit.jupiter.api.Test;
import static org.junit.Assert.assertTrue;

@Test
class FibonacciTest {
    public void testNext() throws Exception {
        Fibonacci fibonacci = new Fibonacci(0,1);
        int result = fibonacci.next();
        int expected = 1;

        assertTrue(expected.equals(result));
    }
}
```

Questão 2

```
@Test
public void testFooThrowsIndexOutOfBoundsException() {
    assertThrows(IndexOutOfBoundsException.class, () -> foo.doStuff(),
        "Expected foo() to throw, but it didn't");
}
```