Forman Christian College
(A Chartered University)

Software Quality Assurance - CSCS 351

Section A

Assignment1

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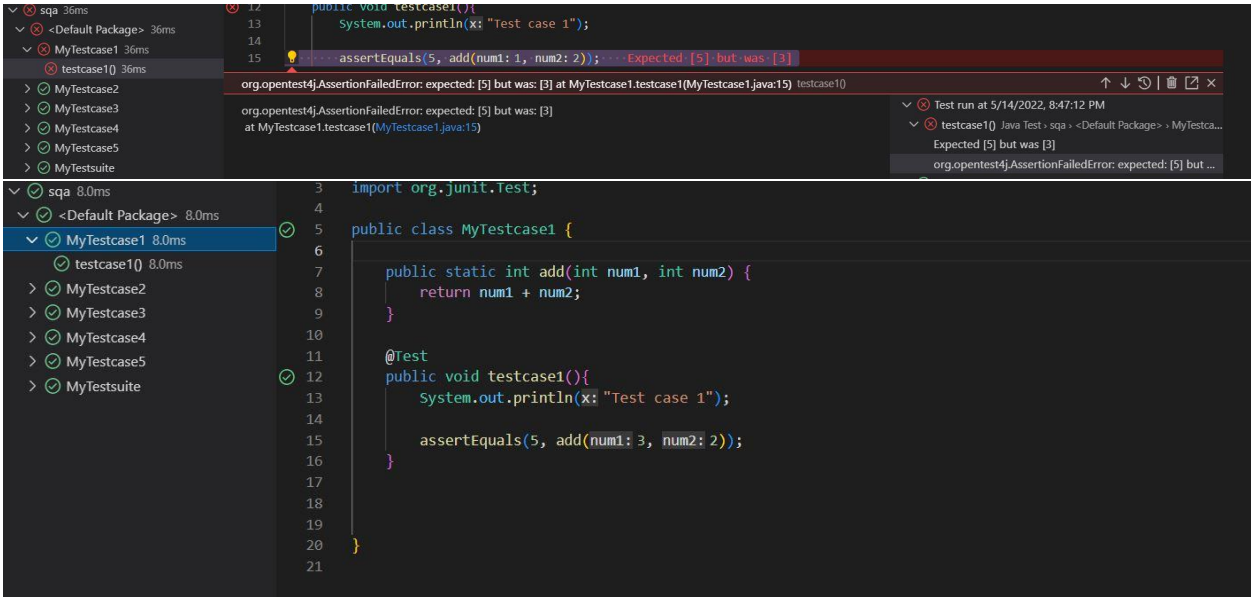
22-10307

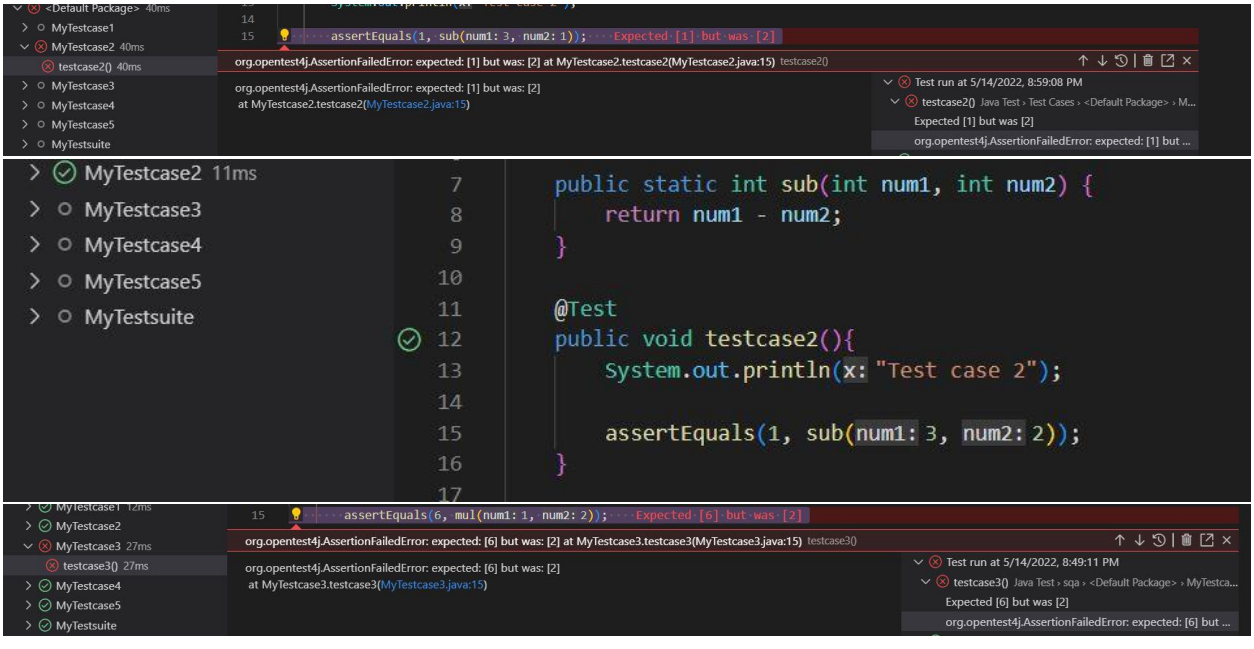
Test Cases:

Below are attachments of test cases used in this assignment:

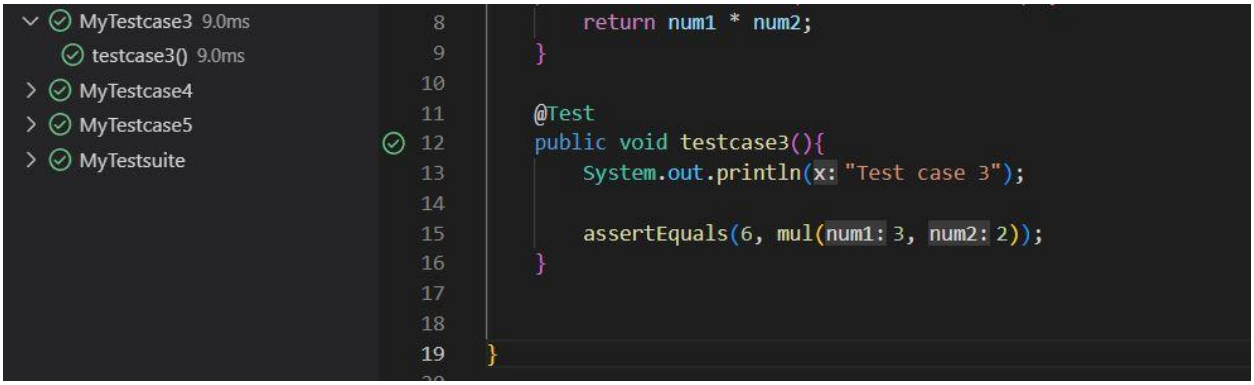
Test Case1:



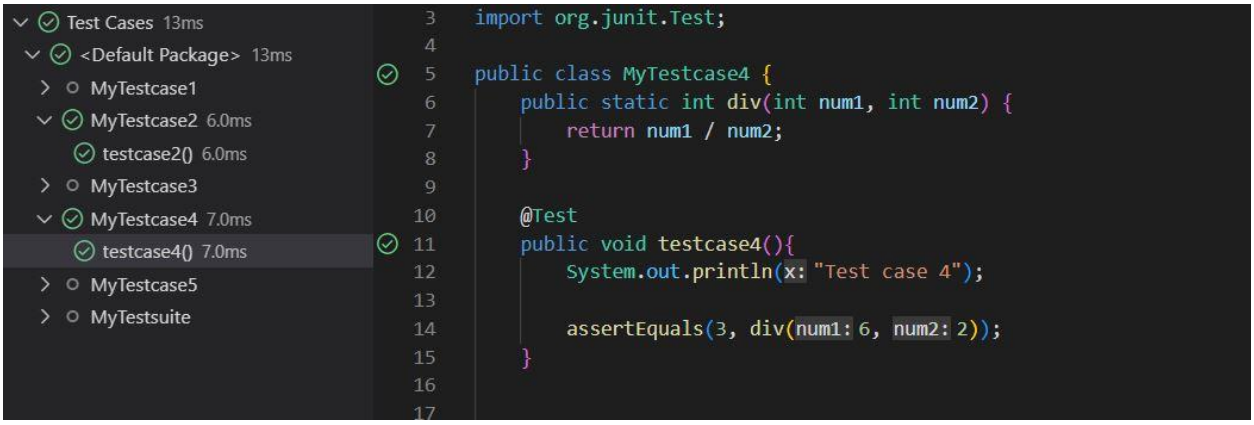
TestCase2:



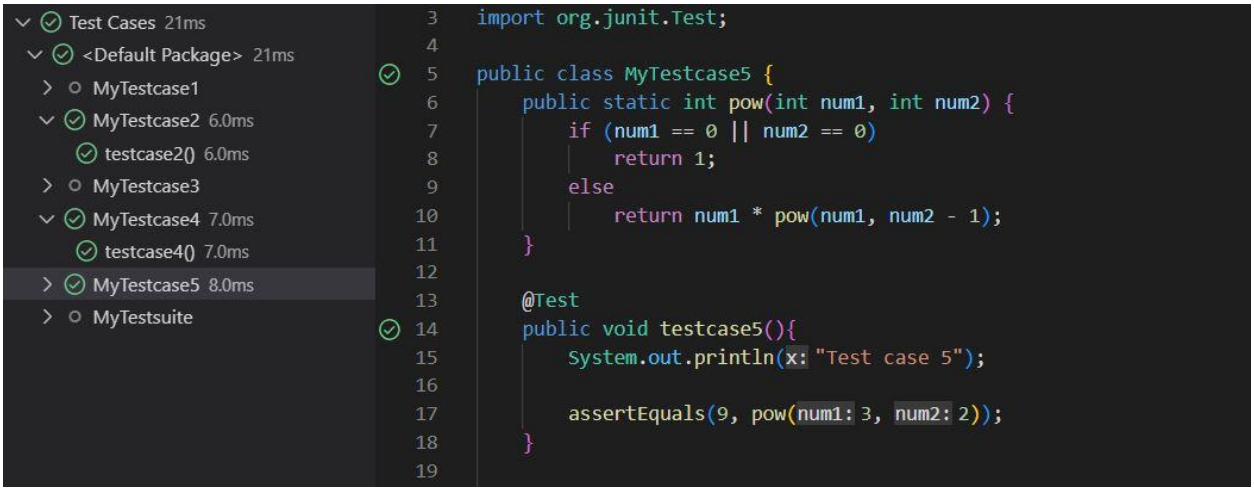
Test Case 3:



Test Case 4:



Test Case 5:



Test Suite:

Program Code:

TestCase1.java

```java
import static org.junit.jupiter.api.Assertions.assertEquals;

import org.junit.Test;

public class MyTestcase1 {

    public static int add(int num1, int num2) {
        return num1 + num2;
    }

    @Test
    public void testcase1(){
        System.out.println("Test case 1");

        assertEquals(5, add(3, 2));
    }



}
```

TestCase2.java

```java
import static org.junit.jupiter.api.Assertions.assertEquals;

import org.junit.Test;

public class MyTestcase2 {

    public static int sub(int num1, int num2) {
        return num1 - num2;
    }

    @Test
    public void testcase2(){
        System.out.println("Test case 2");

        assertEquals(1, sub(3, 2));
    }
```

```
}
```

TestCase3.java

```
import static org.junit.jupiter.api.Assertions.assertEquals;

import org.junit.Test;

public class MyTestcase3 {

    public static int mul(int num1, int num2) {
        return num1 * num2;
    }

    @Test
    public void testcase3(){
        System.out.println("Test case 3");

        assertEquals(6, mul(3, 2));
    }


}
```

TestCase4.java

```
import static org.junit.jupiter.api.Assertions.assertEquals;

import org.junit.Test;

public class MyTestcase4 {
    public static int div(int num1, int num2) {
        return num1 / num2;
    }

    @Test
    public void testcase4(){
        System.out.println("Test case 4");

        assertEquals(3, div(6, 2));
    }
```

```
}
```

TestCase5.java

```
import static org.junit.jupiter.api.Assertions.assertEquals;

import org.junit.Test;

public class MyTestcase5 {
    public static int pow(int num1, int num2) {
        if (num1 == 0 || num2 == 0)
            return 1;
        else
            return num1 * pow(num1, num2 - 1);
    }

    @Test
    public void testcase5(){
        System.out.println("Test case 5");

        assertEquals(9, pow(3, 2));
    }


}
```

MyTestSuite.java

```
import org.junit.runner.RunWith;
import org.junit.runners.Suite;

@RunWith(Suite.class)
@Suite.SuiteClasses({
    MyTestcase1.class,
    MyTestcase2.class,
    MyTestcase3.class,
    MyTestcase4.class,
    MyTestcase5.class})

public class MyTestsuite {}
```