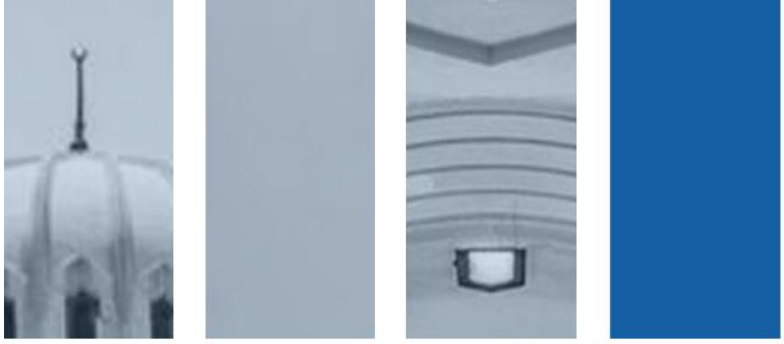

Lab (1): Software Testing

Program: Computer and Systems Engineering

Course Code: CSE337s

Course Name: Software Testing

Ain Shams University
Faculty of Engineering

TEAM NUMBER: 7

TEAM MEMBERS:

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The first Function [intMax(int a, int b, int c)]

1- write the implementation of function in class (as example calculator class) as shown

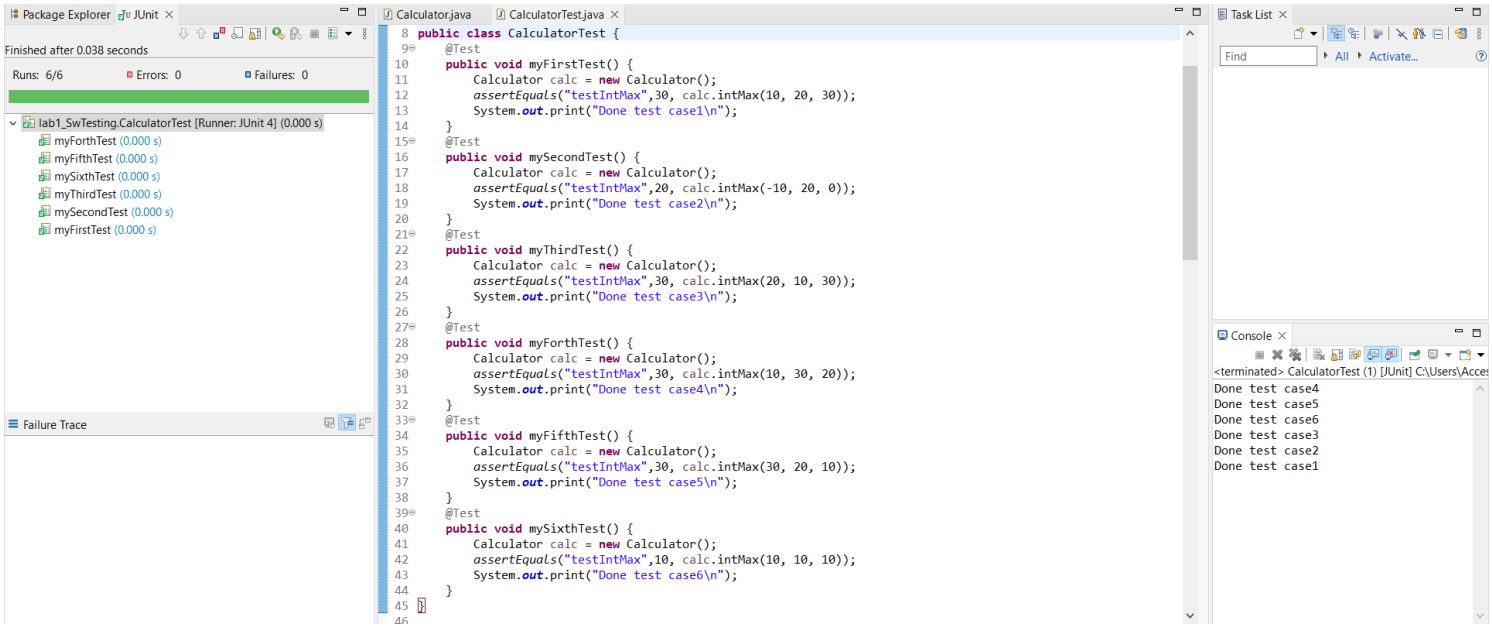
```
1  package lab1_SwTesting;
2
3  public class Calculator {
4      public int intMax(int a,int b,int c) {
5          return Math.max(a,Math.max(b, c));
6      }
7
8      public static void  main(String [] args) {
9
10     }
11 }
12
```

2- make another test class (as example CalculatorTest class) as shown

*Calculator.java *CalculatorTest.java

```
1  package lab1_SwTesting;
2
3  import static org.junit.Assert.assertEquals;
6
7
8  public class CalculatorTest {
9
10 }
```

3- make the test cases for this function:



as shown 6 test cases and all of them are passed as expected.

The Second Function [hasTeen(int a, int b, int c)]

1- write the implementation of function in class (as example Teen class) as shown

Teen.java × TeenTest.java

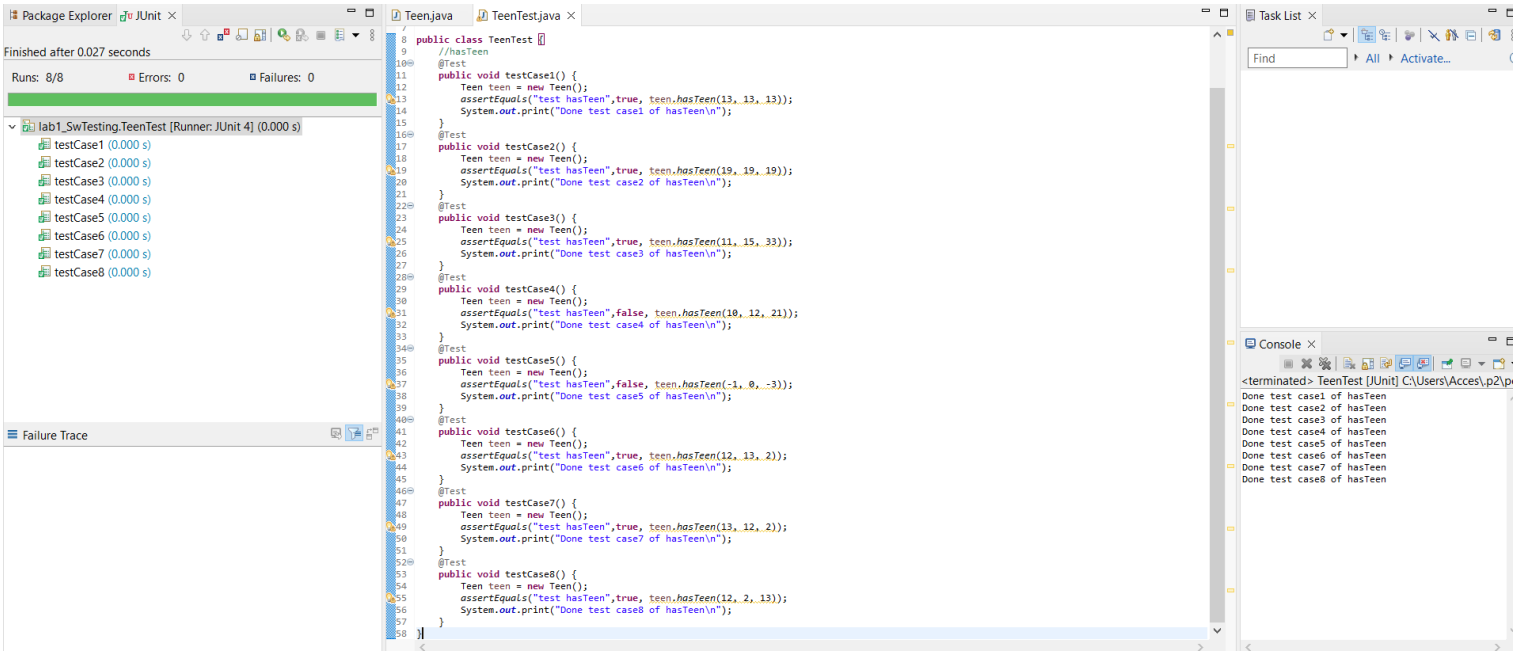
```
1  package lab1_SwTesting;
2
3  public class Teen {
4      public static boolean hasTeen(int a,int b,int c) {
5          return (a >= 13 && a <= 19) || (b >= 13 && b <= 19) || (c >= 13 && c <= 19);
6      }
7      public static void  main(String [] args) {
8
9      }
10 }
```

2- make another test class (as example TeenTest class) as shown

Teen.java *TeenTest.java ×

```
1  package lab1_SwTesting;
2
3  import static org.junit.Assert.assertEquals;
6
7
8  public class TeenTest {
9
10
11 }
```

3- make the test cases for this function:



as shown 8 test cases and all of them are passed as expected.