SQT CA3

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1. Implement all the required unit tests to check whether the compute method works according to expectation, namely according to the specification provided in *Question 1 A*
2. Run/execute the unit tests implemented at item *a)* and provide in your report a screenshot of the NetBeans *Test Results Window* that includes a summary of the execution of the unit tests (namely, for each unit test, the name of the test method run and whether the test has passed or failed).
3. implement a method for computing the area of a circle. Then implement the required unit test
   1. Update the test
   2. Include a screenshot of the source code corresponding to the latest version of your methods in the report.

Table of Contents

[1. Unit Tests 2](#_Toc164258275)

[2. Result of Unit Tests 3](#_Toc164258276)

[3. Area of Circle 4](#_Toc164258277)

[i Test code 4](#_Toc164258278)

[ii Methods 5](#_Toc164258279)

# Unit Tests

/\*\*

\* Test of add method, of class Calc.

\*/

@Test

public void testAdd() {

System.out.println("add");

int a = 3;

int b = 5;

int expResult = 8;

int result = Calc.add(a, b);

assertEquals(expResult, result);

}

/\*\*

\* Test of mult method, of class Calc.

\*/

@Test

public void testMult() {

System.out.println("mult");

int a = 2;

int b = 3;

int expResult = 6;

int result = Calc.mult(a, b);

assertEquals(expResult, result);

}

/\*\*

\* Test of div method, of class Calc.

\*/

@Test

public void testDiv() {

System.out.println("div");

int a = 100;

int b = 20;

int expResult = 5;

int result = Calc.div(a, b);

assertEquals(expResult, result);

}

/\*\*

\* Test of min method, of class Calc.

\*/

@Test

public void testMin() {

System.out.println("min");

int a = 6;

int b = 5;

int expResult = 1;

int result = Calc.min(a, b);

assertEquals(expResult, result);

}

# Result of Unit Tests

A screenshot of a computer

Description automatically generated

Also included is the test for the area of the circle in part 3.

# Area of Circle

## i Test code

/\*\*

\* Test of carea method, of class Calc.

\*/

@Test

public void testCarea() {

System.out.println("carea");

double r = 2;

double expResult = 12.56;

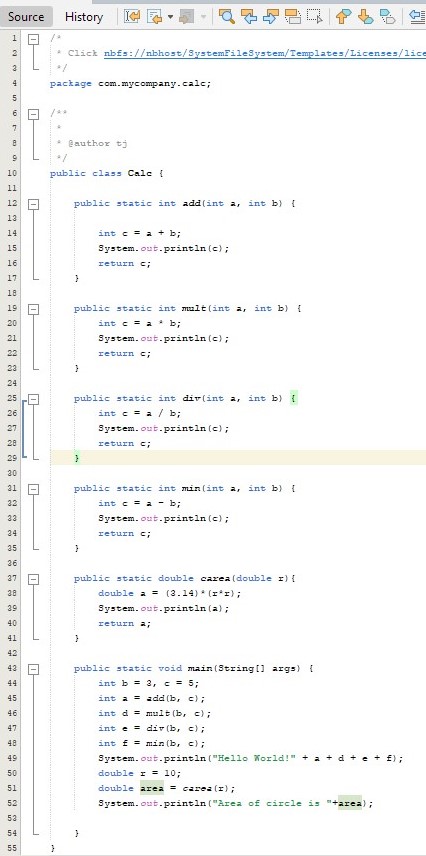
double result = Calc.carea(r);

assertEquals(expResult, result, 0);

// TODO review the generated test code and remove the default call to fail.

}

## ii Methods



# Bibliography

**There are no sources in the current document.**