**CENG 217 Lab 01**

**TASK 1**

**/\*\***

**\* Write a description of class Task1 here.**

**\***

**\* @Clarence Oriola**

**\* @version (0.1)**

**\*/**

**public class Task1**

**{**

**public static void main(String[] args){**

**double a = 4;**

**double b = 3;**

**double c;**

**c = Math.sqrt(Math.pow(a, 2) + Math.pow(b, 2));**

**double m = 7;**

**double n = 8;**

**double p = Math.sqrt(Math.abs(m - n)); //m and n weren't declared**

**double r = 2;**

**double sum = a \* (Math.pow(r,n) - 1 / (r-1)); //missing a bracket and r wasn't declared**

**System.out.println("The result of expression a is: " +c);**

**System.out.println("The result of expression b is: " +p);**

**System.out.println("The result of expression sum is: " +sum);**

**}**

**}**

**A screenshot of a computer

Description automatically generated**

**TASK 2**

**A.**

**public class ShowErrors {**

**public void main(String[] args) { //Logical Error**

**int newnumber; //Logical Error**

**int initvalue = 1;**

**Newnumber--; //Syntax Error**

**double result = newnumber/initvalue;**

**System.out.println("Result: " result); //Syntax Error**

**}**

**}**

**B. Fixing the errors in Part A**

**public static void main(String[] args) { //Logical Error**

**int newnumber = 10; //Logical Error**

**int initvalue = 1;**

**newnumber--; //Syntax Error**

**double result = newnumber / initvalue;**

**System.out.println("Result: " +result); //Syntax Error**

**Task 3**