Southern Luzon State University
College of Engineering
Computer Engineering Department

CPE13 Object Oriented Programming

Midterm Laboratory Test 2

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Section: BSCPE 3GF Score:_____

Instructions:

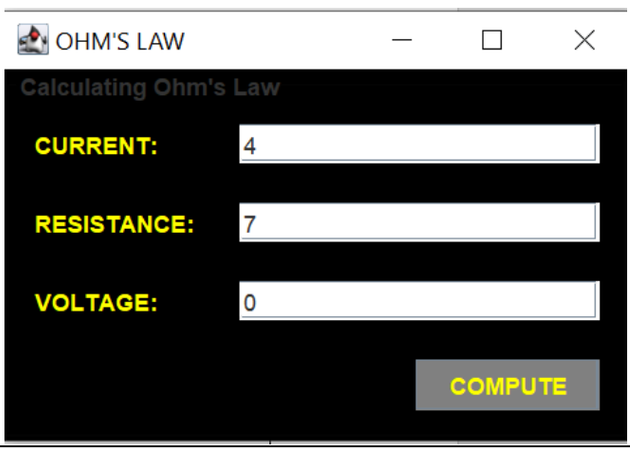
1. Open **Eclipse Neon 2**.
2. Click Okay to confirm workspace location**.**
3. Close the welcome message.
4. Click **File**, Select **New** and Click **Java Project**.
5. The **Project Name** should be any Color Name.
6. Click **Finish** and Create a new Java class.
7. Click **File**, Select New and Click Java Class.
8. The Source folder should be the Project you created.
9. The Classname should be Surname + M2. Click Finish and Type your code.
10. You can Run and Compile your code by using **Ctrl+F11.**
11. Upload your PDF and JAVA file in our google classroom.

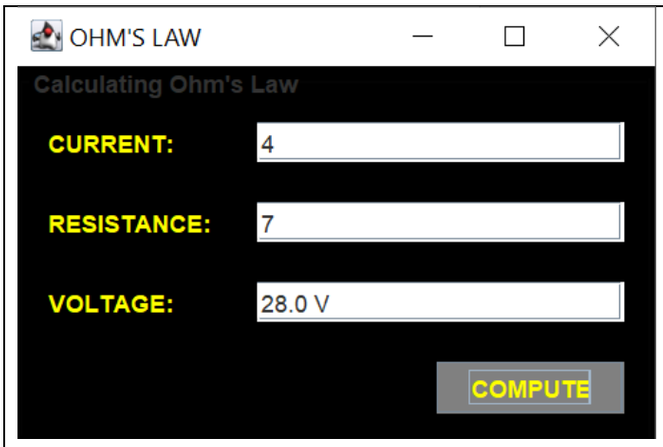
Problem:

Create a program which outputs an application for computing either Current(I), Resistance(R) and Voltage(V). You must have 3 label and text field for C, I and R and a Compute Button. You must input 2 out of 3 text field and press compute button and put the answer on the previously empty text field.

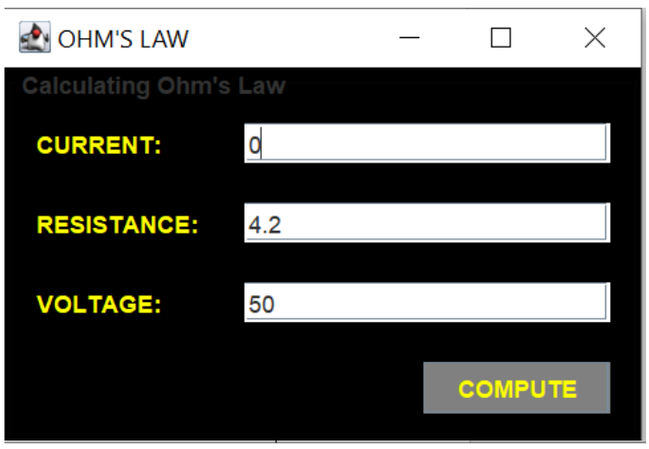
Output of the Program SS only:

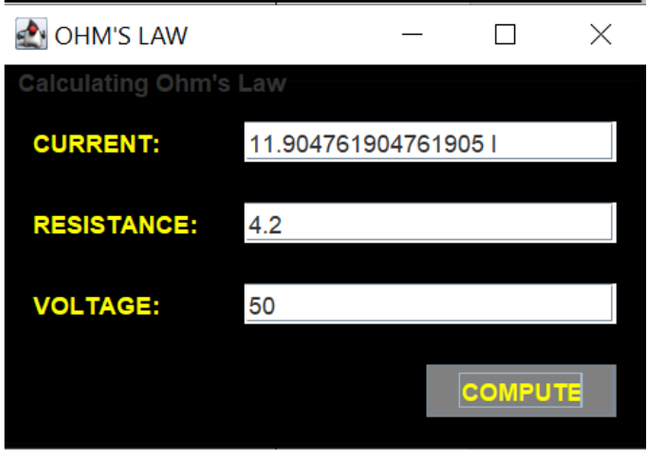
V = IR



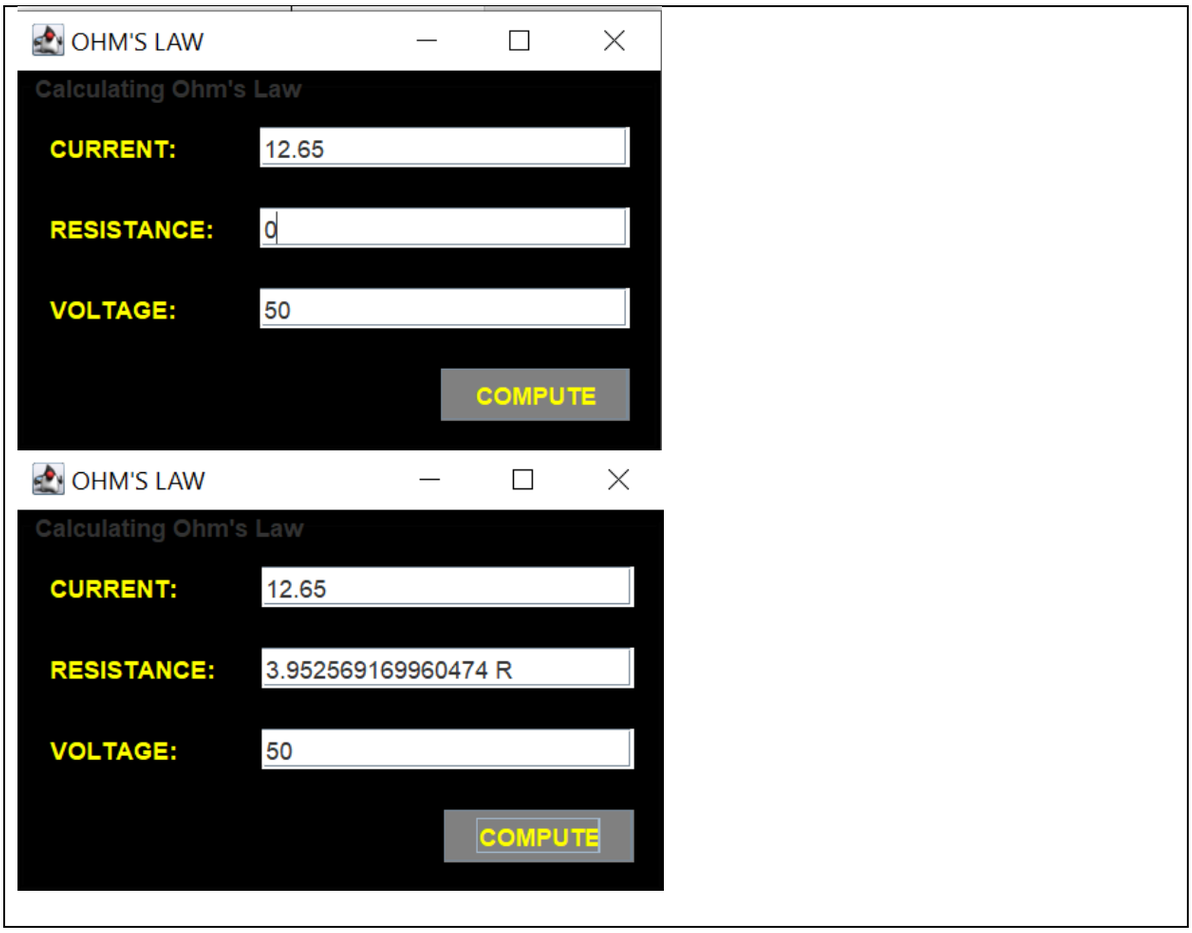

OHM'S LAW
Calculating Ohm's Law
CURRENT:
4
RESISTANCE:
7
VOLTAGE:
28.0 V
COMPUTE

I = V/R


OHM'S LAW
Calculating Ohm's Law
CURRENT:
0
RESISTANCE:
4.2
VOLTAGE:
50
COMPUTE


OHM'S LAW
Calculating Ohm's Law
CURRENT:
11.904761904761905 I
RESISTANCE:
4.2
VOLTAGE:
50
COMPUTE

R = V/I


OHM'S LAW
Calculating Ohm's Law
CURRENT:
12.65
RESISTANCE:
0
VOLTAGE:
50
COMPUTE
OHM'S LAW
Calculating Ohm's Law
CURRENT:
12.65
RESISTANCE:
3.952569169960474 R
VOLTAGE:
50
COMPUTE