

AP Computer Science Mr Hanley

[The Hood](#)

Operator Practice

Ver: 2.01

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Basic Java Operations Demo

Welcome to the ops tester!

Integer	Double
10	0.0
Delta-Int	Delta-Double
0	0

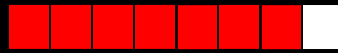
Buttons: +=, -=, /=, *=, %=, Raise to power, Clear

Assignment 2: Operator Practice

Binary



Ones Comp



Twos Comp



Develop a visual app that demonstrates the use of 6 different math operators. Allow the user to enter an integer into one field and a double into another field. Then provide an integer field underneath the original field with the label Delta Int and a double field underneath the original double field with a label called Delta Double. The user should be able to enter values into the delta fields and then click on a choice of buttons. Integer buttons should include Clear, +=, -=, *=, %=, and power. Upon hitting one of those buttons, the **original** number should be OVERWRITTEN.

For example, if the user hits the += button underneath the integers in the above example, then the Integer field should be updated with $15+3 = 18$. Clear should clear the appropriate fields (both the int fields or both double fields)


BEWARE: `Math.pow()` will not return an int, only a double, so you must TYPECAST the result that comes back, such as `int result = (int)`

`Math.pow(base, exp);`

NOTE: Check for divide by zero bug if they are using %=, /= int or /= double and give them a warning message if they are about to do this.

NO RED AT THE BOTTOM OF THE NETBEANS CONSOLE - YOU WILL LOSE POINTS FOR THIS -> MAKE SURE YOU HANDLE DIVIDE BY ZERO

Project Name	Assign 2 Ops Calculator
Class 1 Name	OpsApp
Class 2 Name	OpsFrame

 <h1 style="color: red; text-decoration: underline;">RUBRIC</h1>	
User interface complete and working	25
Each button works 3 points each	40
Divide by zero handled for both	10
TOTAL	75

