Instructions:

1. Click on File -> Make a copy

Include your IPO Chart with your code in Eclipse IDE: We will discuss and demonstrate this in the computer lab.

IPO CHART

Program name:	**MathTutor Application**	
INPUT	**PROCESS**	**OUTPUT**
Hint: What will the user input?	Hint: What is the program going to do with the input information?	Hint: What will the screen display after user input?
What they think is the answer to the math question they will be given	Will generate three randomized numbers in already declared variables 2 of those numbers are between 1 and 20 (randNum1 and 2) and are the numbers used in the equation the program makes. The 3rd number(randOpNum) is from 1 to 4 and it will let the program know which operator to use for the question based on its number. Will have a switch case on the random number variable for operators to decide which of the 4 operators(+, -, *, /) to use. For the first 3 cases they	Will prompt the user with generated question and then after the user inputs what they think the answer is the computer will either output that its correct incorrect.

	will all be very similar as the it will generate an answer using the operator specifics to that case (+, -, *) on randNum1 and 2. Then will ask the user for their answer and compare the user's answer to the computer to let the user know if they won or not. For case 4 it's all the same as the first 3 cases but since its division it will ask the user to answer to the nearest hundredth place and will also round the answer from the computer to the nearest hundredth place and then compares the answers to let the user know if they answered right or not.	