

### 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:	PrimeNumber	
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?
User will input number they want to check if its a prime number or not	<p>Record number user entered and create a variable called prime and set it to true</p> <p>Will check is number is either 1 or 0 if so then will set prime to false</p> <p>If not 1 or 0 then will loop through every number between 2 and half of the number entered dividing then by the number entered</p> <p>Will divide number entered by every number the loop goes through and if any of there are fully divisible will then set prime to false</p>	<p>Prompt user for number</p> <p>Output the number and if it was prime or not depending on whether the prime variable was true or false. If true then number was prime if not then it wasn't prime</p>

