

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:	Prime Number Mastery	
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?
<ul style="list-style-type: none">• An integer	<ul style="list-style-type: none">• Create method that will return a boolean with the user input as the parameter<ul style="list-style-type: none">• Declare and initialize variable type as int and equal to the user input in order to calculate• Use a while loop - while the counter is greater than 0, continue the loop<ul style="list-style-type: none">○ Subtract the counter by 1○ If user's number divided by the counter has a remainder not equal to 0, continue looping the above until it isn't○ If the counter reaches 1, return true	<ul style="list-style-type: none">• Integer is or is not prime

	<ul style="list-style-type: none"><ul style="list-style-type: none">○ Else, break out of loop● Return false● Main method:● Declare variable type as int in order to calculate● Prepare for user input● Prompt user to input an integer● Record and Initialize user input● If the method above is equal to true<ul style="list-style-type: none">● Display the the number is prime● Else<ul style="list-style-type: none">● Display the the number is not prime	
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