

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	
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">• Declare variable type as integer in order to calculate using modulus• Prepare for user input• Prompt user to input an integer• Record and Initialize user input• Initialize a counter as the user's number• 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	<ul style="list-style-type: none">• If the user number is prime or not

	<p>has a remainder not equal to 0, continue looping the above until it isn't</p> <ul style="list-style-type: none">○ If the counter reaches 1, display the the number is prime and break out of the loop○ Else, display the the number is not prime and break out of the loop	
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