

## SECTION 1: IPO CHART

<b>Program name:</b>	<b>PrimeNumbersPartA</b>	
<b>INPUT</b>	<b>PROCESS</b>	<b>OUTPUT</b>
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"> <li>- User inputs integer</li> </ul>	<ul style="list-style-type: none"> <li>- Declares prime as true</li> <li>- Declares count as 2</li> <li>- Loops while count is <math>\leq</math> two less than the number</li> <li>- Within the loop it modulo's the number by the count and increments by one</li> <li>- If modulo by count returns prime as negative and breaks loop</li> <li>- If prime == negative or the number is 1 print non-prime statement</li> <li>- Else print prime statement</li> </ul>	<ul style="list-style-type: none"> <li>- If non-prime print "Number isn't prime"</li> <li>- If prime print "Number is prime"</li> </ul>