

**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**

<b>Program name:</b>	<b>RANDOM_WALK</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?
nothing	<ul style="list-style-type: none"><li>• Starts the person in the center of a 7-meter bridge</li><li>• Uses a random number (0 or 1) to decide whether each step goes forward or backward</li><li>• Counts how many steps the person takes before falling off the bridge</li><li>• Repeats this process for 50 trials</li><li>• For each trial:<ul style="list-style-type: none"><li>◦ Keeps track of the total number of steps taken</li><li>◦ Checks if it's the greatest number of steps so far</li></ul></li></ul>	Average steps before falling off: 16.00 Greatest number of steps: 84 ...

- |  |   |  |
|--|---|--|
|  | <ul style="list-style-type: none"><li>● After all 50 trials:<ul style="list-style-type: none"><li>○ Calculates the average number of steps before falling off</li></ul></li></ul> |  |
|--|---|--|