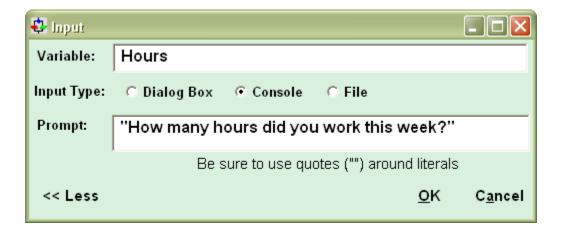
WHILE LOOPS

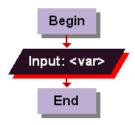
Chapter 3

Console Input and Output

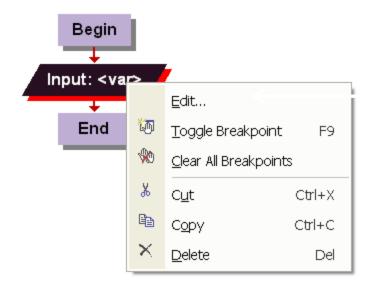
Input and output interactions with the used are maintained for later inspection.



How Did We Get This Box

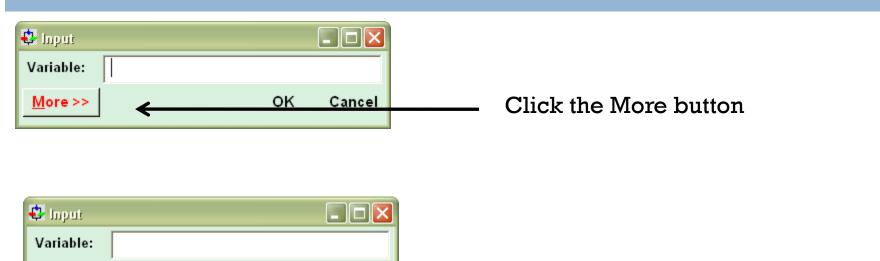


Right click the input: box



Click edit

How Did We Get This Box



Variable:		
Input Type: Prompt:	⊂ Dialog Box	Click console and fill in variable and prompt
	Be sure to use quotes ("") around literals	
<< Less	<u>O</u> K C <u>a</u> ncel	

Console Input and Output

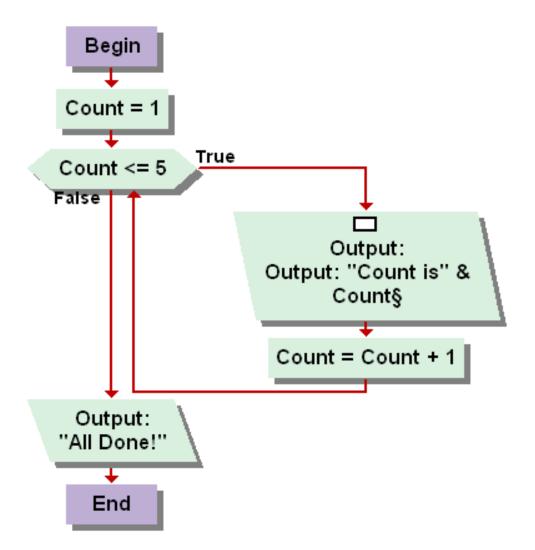
- Persistent
- □ Each line remains in console window
- To move to new line you must use an end of line symbol



Used to Perform Same Action Multiple Times

While Loops

- Used to repeat actions
- Condition inside the loop remains true
 - Body of the loop executes
- Condition inside the loop is false
 - Body of the loop does not execute
- Use a control variable
- Example Count



Counting Backwards

While Loops and Sentinel Values

- Use when you don't know the number of iterations
- □ The user inputs the end
- Use a special value (sentinel value) to indicate stop

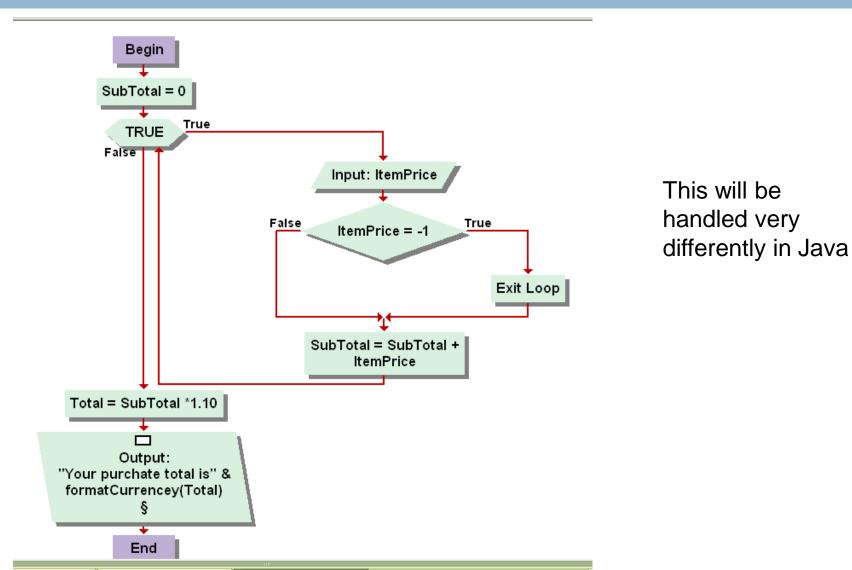
Grocery Checkout

Determine the Average

Exit Loop

- Causes control to jump out of the loop
- Goes to the statement immediately below the loop
- \Box I am not a big fan of these.
 - You should have another way of exiting the loop.
 - Redesign the code rather than use

Grocery Checkout Using Exit Loop



Redesign the Grocery Checkout Not using the Exit Loop

High-Low Game