Samuel Bartholomew Computer Science 120, Programming assignment #1

Most people who develop computer software

don’t do it for themselves, but to help

someone address an issue in a fast and

efficient manner.

For this assignment, you’ll be performing the

first three steps of the 5-step programming

process on a problem to perform bi-

directional calculations based on assigning

specific values to variables, performing the

calculations, and output the results

My bidirectional calculation will be Cups/Ounces

Step 1 Start

Step 2 Display text asking “Will you be converting to [0] Cups to Ounces or [1] Ounces to Cups”

Step 3 Take a user input for 0 or 1, storing that as whichDir

Step 4 Check if whichDir is 0 or 1

Step 5 If whichDir is neither return to Step 3

Step 6 if whichDir is 0 goto Step 13

Step 7 whichDir equals 1 so proceed to Step 8

Step 8 Display text asking “How many ounces would you like to convert into cups”

Step 9 Take the users input, storing that as weightAm

Step 10 Apply weightAm / 8 which will be weightAm’s new value

Step 11 Display text saying “You have ” + weightAm + “ cups from your of ounces.”

Step 12 Skip to Step 20

Step 13 Display text asking “How many cups would you like to convert into ounces"

Step 14 Take the users input, storing that as weightAm

Step 15 Apply weightAm \* 8 which will be weightAm’s new value

Step 16 Display text saying “You have “ + weightAm + “ ounces from your cups.”

Step 17 End/Stop

