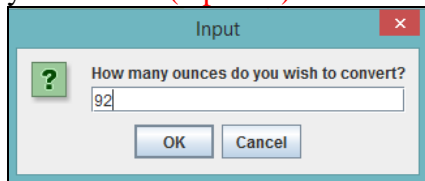


## Chapter 2 Assignment (Converting Ounces) – 15 points

Your goal is to ask the user for a total number of ounces and convert this to cups, pints, quarts, and gallons.

Your program should have the following:

- Make the name of the project **OuncesConversion**
- Have a dialog box appear on screen that requests the user to type in the total number of ounces. For this example, I used 92, but you could use any number that you choose. (2 points)



- Place the response that a user types in into a String variable. Then convert that string using the *parseDouble* method in Double class and place this double into a variable (make sure that you follow the Java variable naming rules). (2 points)
- Have the computer convert the number of ounces entered by the user into cups, pints, quarts, and gallons. You will need to create a variable for each of the conversions. Make sure that you calculations are using the variable that you created for ounces. (5 points)

*1 cup = 8 oz*

*1 pint = 16 oz*

*1 quart = 32 oz*

*1 gallon = 128 oz*

- Have the computer display the number of ounces entered by the user and the converted number of cups, pints, quarts, and gallons. Make sure that you are using variables for your output and not typing the answers into this box. (4 points)
- Format the variables to have 2 decimals places, but only if there is a number to display (Hint: use the “#” for your formatting pattern instead of “0”). (2 points)

