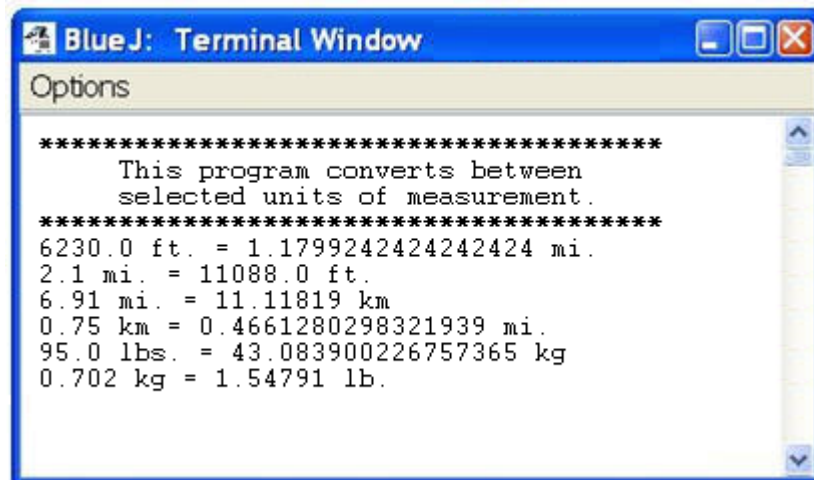


## Assessment Instructions

**Instructions:** Write a program that will convert between different units of measurement.

1. Open the MeasurementConverterV1 class and examine the starter program.  
Modify the program to perform the following calculations.
  - a. Convert miles to feet (feet to miles is already done as an example).
  - b. Convert miles to kilometers and kilometers to miles.
  - c. Convert pounds to kilograms and kilograms to pounds.
  - d. Convert gallons to liters and liters to gallons.
2. Add one more set of conversions of your own choosing (e.g. feet to inches and inches to feet).

**Expected Output:** When the program runs correctly, you should see output similar to the following screen shot. Remember to add a set of conversions of your own choosing. (Don't worry about the excessive number of decimal places; you will learn how to format numeric output soon.)



```
BlueJ: Terminal Window
Options
*****
      This program converts between
      selected units of measurement.
*****
6230.0 ft. = 1.1799242424242424 mi.
2.1 mi. = 11088.0 ft.
6.91 mi. = 11.11819 km
0.75 km = 0.4661280298321939 mi.
95.0 lbs. = 43.083900226757365 kg
0.702 kg = 1.54791 lb.
```