# Assignment 2

# Using Console Input, Variables and Mathematical Operators

Brannock

1. Write a Java program (***MeterConverter.java***) that converts a number in meters to inches.   
   Note: 1 meter is 39.37 inches.

Input the number of meters: 101

1. meters is 3976.37 inches
2. Write a Java program ***(LiterConverter.java***) that converts a number liters to ounces.   
   Note: One liter is 33.814 ounces.

Input the number of liters: 25

25.0 liters is 845.35 ounces

1. Write a Java class ***(DayConverter.java***) to convert minutes into a number of days, hours and minutes to minutes only.

Input the number of days (int): 300

Input the number of hours (int): 23

Input the number of minutes (int): 3

300 days, 23 hours and 3 minutes is 433383 minutes

1. Given weight in kg and height in meters, write a Java program (***BMIConverter.java***) to compute body mass index (BMI). The formula for BMI is weight in kilograms divided by height in meters squared.

Input weight (in kg): 80.0

Input height (in meters): 1.8

Body Mass Index is: 24.691358024691358

1. Submit 4 files:
   1. MeterConverter.java
   2. LiterConverter.java
   3. DayConverter.java
   4. BMIConverter.java
2. Your input and output on the console MUST match what is given in the specification (the directions). Whitespace is important. Sample user input is in green.
3. The results of the mathematical operations may not match the sample data EXACTLY because of rounding and conversion numbers shown--as long as it is close.
4. Your program should work for all positive input data the user may enter. Test your program thoroughly!
5. Coding standards: Header comments required. You must name variables correctly, line up code and curly brackets