**King Saud University**

**College of Computer and Information Systems, Department of Computer Science**

**CSC 111: Java Programming-I, Semester I - 2013**

**Lab #3**

**Exercise 1:**

Write a Java program to read in the weight (in pounds) of an object and then compute and print the weight in kilograms and grams.

(Hint: 1 pound is equal to 0.453592 kilogram and 453.59237 grams.)

Example:

Enter the weight in pounds: 8

The weight in Kilograms is: 3.628736

The weight in Grams is: 3628.73896

**Exercise 2:**

Write a Java program to read two data items and print their sum, difference (must be

positive), product, and quotient (must divide by non-zero number).

Example:

Enter two numbers: 10 5

The sum = 15

The difference = 5

The product = 50

The quotient = 2

**Exercise 3:**

Write a java program that reads an integer and prints the least significant digit and the next least significant digit.

Example:

Enter an integer number > 7235

The least significant digit is 5

The next least significant digit is 3

**Exercise 4** [Homework]**:**

Write a java program that reads an integer (decimal number smaller than 32) and prints the equivalent representation in binary system.

Hint: Use four variables to store the value of the binary digits.

Example:

Enter an integer number smaller than 32 > 12

The equivalent in binary = 01100