Lab 2 (8 questions)

1. Write a java program cmi.java that accepts a distance in inches and prints the corresponding value in cm.

Note that 1 inch = 2.54 cm.

Test data and expected output:

***Enter the distance in inches: 3***

***3.00 inches = 7.62 cm***

1. Write a java program swp.java that reads two values from the keyboard, swaps their values and prints out the result.

Test data and expected output:

***Enter the first number: 2.4***

***Enter the second number: 5.7***

***Values entered are a=2.4 and b=5.7***

***Values after swap are a=5.7 and b=2.4***

1. Write a java program temp.java that accepts a temperature in Fahrenheit and prints the corresponding temperature in Celsius.

C = (F − 32) / 9 \* 5

Test data and expected output:

***Enter temp in Fahrenheit: 98.4***

***Temp 98.4 in Fahrenheit = 36.89 Celsius***

1. Write a program for users to type in the length and the width of a rectangle.

Print out the perimeter and the area of rectangle.

1. Write a program for users to type in 5 integers

Print out the sum of 5 integers and the percentage of each integer

Test data and expected output:

***Enter 5 integers: 0 2 4 6 8***

***The sum: 20***

***Percentage: 0(0%); 2(10%); 4(20%); 6(30%); 8(40%)***