**CLASS WORK NO.1**

1. Write a program that stores the integer value 16 in the variable **length** and the integer value 18 in the variable **width**. Have your program calculate the value assigned to the variable

**perimeter = 2 \* length + 2\* width ;**

1. Write a program that stores the floating-point value 16.7 in the variable **num1** and the floating-point value 18.7 in the **num2**. Have your program calculate the total of these numbers and their average. Store the total in a variable **total** and the average in a variable named **average**. (Use the statement **average= total /2.0** ; Calculate the average. )
2. Write a program to calculate the circumference of a circle. The equation for determining the circumference of a circle is **circumference = 2 \* 3.1416 \* radius.** Assume that the circle has a radius of 3.3 inches.
3. Write a program to calculate the volume of a pool. The equation for determining the volume is:

**volume = length \* width \* depth.** Assume that the pool has a length of 25 feet, a width of 10 feet, and a depth of 6 feet.

1. Write a program to convert temperature in degrees Fahrenheit to degrees Celsius. The equation for this is **Celsius = 5.0 / 9.0 \* (Fahrenheit -32.0).** Have your program convert and displays the Celsius temperature corresponding to 98.6 degrees Fahrenheit.
2. Write a program to calculate the dollar amount contained in a piggy bank. The bank currently contains **12 half-dollars, 20 quarters, 32 dimes, 45 nickels, and 27 pennies.**