**5.4 Write a program to find the average and standard deviation of a set of input positive real numbers. The input data contains a set of one or more positive real numbers terminated by a zero or a negative number. Determine the average and standard deviation of the numbers (not including the last one) by using the following formulas.**

$$\text{Average} = \frac{X_1 + X_2 + X_3 + ... + X_n}{n}$$

$$\text{Standard deviation} = \sqrt{\frac{X_1^2 + X_2^2 + X_3^2 + ... + X_n^2}{n} - \text{Average}^2}$$

**Display you result as shown.**

**Sample running 1 :**

Please input a list of positive real numbers
terminated by zero or a negative number.
The program will find the average and standard
deivation of this list of positive numbers.

Please input the first number : ***12***<CR>
Please input another number : ***25***<CR>
Please input another number : ***36***<CR>
Please input another number : ***45***<CR>
Please input another number : ***20***<CR>
Please input another number : ***-1***<CR>

The average is 27.60
The standard deviation is 11.67

End of program

**Sample running 2 :**

Please input a list of positive real numbers
terminated by zero or a negative number.
The program will find the average and standard
deivation of this list of positive numbers.

Please input the first number : ***-2***<CR>

End of program