

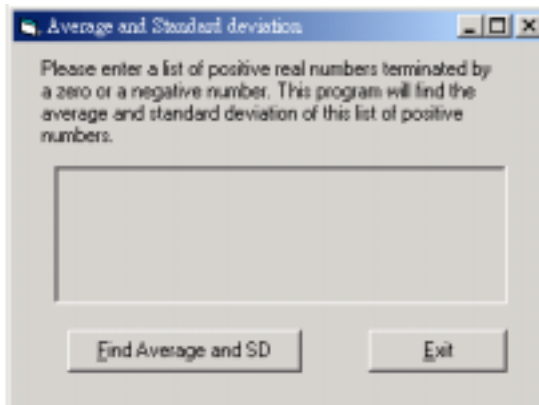
- 5.4 Write a program to find the average and standard deviation of a set of input positive real numbers. The input data contains a set of one or more positive real numbers terminated by a zero or a negative number. Determine the average and standard deviation of the numbers (not including the last one)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

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

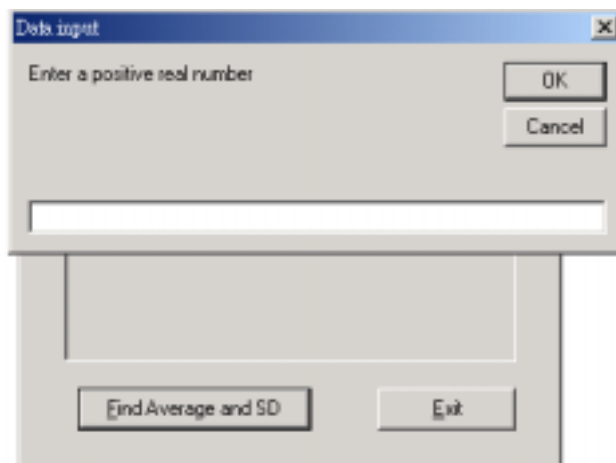
$$\text{Standard deviation} = \sqrt{\frac{X_1^2 + X_2^2 + X_3^2 + \dots + X_n^2}{n} - \text{Average}^2}$$

Display your result as shown.

Sample running :

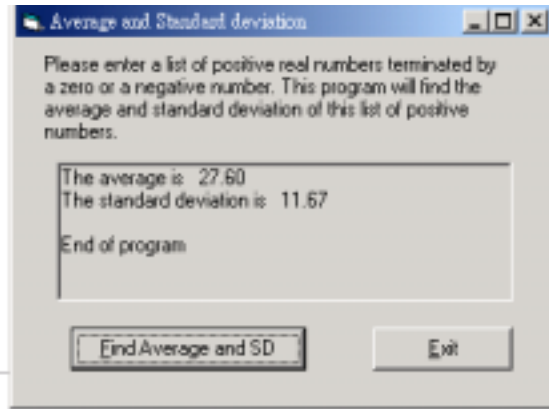


Click the **Find Aveage and SD** command button.



Enter the following numbers :

12<CR> 25<CR> 36<CR> 45<CR> 20<CR> -1<CR>



Click the **Find Aveage and SD** command button.
Enter several positive real numbers terminated by a zero or negative number.
Click **Exit** button to leave.