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.

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

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 :

S, Average and Standard deviation	
Please enter a list of positive real number a zero or a negative number. This progra average and standard deviation of this lis numbers.	m will find the
Eind Average and SD	Exit

Click the Find Aveage and SD command button.

Deta input	x
Enter a positive real number	OK
	Cancel
Eind Average and SD	Ent

Enter the	following n	umbers :			
<i>12</i> <cr></cr>	25 <cr></cr>	<i>36</i> <cr></cr>	<i>45</i> <cr></cr>	<i>20</i> <cr></cr>	<i>-1</i> <cr></cr>

Please enter a list of positive real num is zero or a negative number. This pro average and standard deviation of thi numbers.	gram will find the
The average is 27.60 The standard deviation is 11.67 End of program	
Eind Average and SD	Exit

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

Enter several postive real numbers terminated by a zero or negative number. Click **Exit** button to leave.