**Lab 8**

In this lab, we will practice:

* Use one dimensional array to store information
* Pass one dimensional array to function as parameter
* Write a C++ program that reads the values from a data file, display the values, and computes and displays the mean and standard deviation of these values.

For this program, you are required to write two user defined functions:

* Function ComputeMean: this function computes the mean of the values stored in an array. It should be a value returning function. It returns the mean value. The array and the number of items in the array are passed into this function as parameters;
* Function ComputeSdv: this function computes the standard deviation of the values stored in an array. The formula for computing standard deviation is shown below.

A math equation on a black background

Description automatically generated

Here are two example runs of the program:

A screenshot of a computer

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