

ASSIGNMENT 3

Deadline: Friday, April 16, 11:59 PM

Write a C program that will take as input n numbers, and calculate the standard deviation of the input. Your program must comply with the following:

- You have to take input in an array.
- You have to write a function named “average” which will compute the average of the numbers in an array.
- You have to write a function named “std_dev” which will compute the standard deviation of the numbers in an array.
- In the main function, you have to call “std_dev” to calculate the standard deviation.

Sample input	Sample output
8 10 12 23 23 16 23 21 16	Standard deviation = 4.90