Week 7 - Lab

Download the week7_3.c from the last class. Write following functions whose signatures are given. After each function, display the results you get.

1. int getMin(int [], int);
   This function accepts two arguments. The first is the stdGrades and the second is the size of the array, which is NSTUDENT. Your function should return the minimum grade.
2. float getAvg(int [], int);
   The arguments are the same as the previous one. Your goal is to return the average of the student grades.
3. float getStd(int [], int, float);
   The first arguments are the same as the previous two. The third argument is the average you have just calculated through the getAvg function. The goal of the function is to return the standard deviation of the grades. The formula for the standard deviation is given below. Basically, it is the average distance to the mean (average).

$$\sigma = \sqrt{\frac{\Sigma(x_i - \mu)^2}{N}}$$

   □ is the mean (average), xi is the student grade at i-th index, and N is the number of students, which is NSTUDENT(you will pass it into the function) in our case. You can use pow and sqrt functions from math.h library.