**CSCI 1380**

**Lab Assignment 8**

**Dr. Abraham**

**Due date 3/30/2014**

Write a program to calculate standard deviation for a set of scores.

1. You need to create a file containing the scores.
2. The program should read the scores from the file.
3. Must code the following formula to calculate standard deviation.



1. Display a table showing the score, its deviation from the mean, squared deviation, sum of all squared deviations, and finally the standard deviation.

Stadard Deviation for 8 Scores. Mean: 87.125

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 Score Dev Dev Sq Sum of dev2)

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 88 0.88 0.77 0.77

 89 1.88 3.52 4.28

 88 0.88 0.77 5.05

 78 -9.13 83.27 88.31

 89 1.88 3.52 91.83

 90 2.88 8.27 100.09

 91 3.88 15.02 115.11

 84 -3.13 9.77 124.88

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Standard Deviation 4.22