Textfile Pseudo Code

Algorithm 1: Find Highest & Lowest Marks

Input: Array of marks

Output: Print highest mark and lowest mark

Initialize variables:

Set highest mark to first array variable

Set lowest mark to first array variable

For each mark in the array starting from 2. array element:

If current mark greater highest mark set highest mark to current mark

If current mark is lower lowest mark set lowest mark to current mark

Print highest mark and lowest mark

Algorithm2: Compute Mean and Standard Deviation

Input: Array of marks, StudentCount

Output: Print mean and standard deviation

Initialize variables:

Set total to 0

Set mean to 0

Set sumdiff to 0

Compute Mean:

for each mark in marks array:

add the mark to total

Set mean to total divided by StudentCount

Print the mean value

Compute standard deviation:

for each mark in marks array:

Calculate the square of the difference between the mark and the mean and add to the sumdiff

Divide sumdiff by StudentCount

Set sumdiff to the square root of sumdiff

Print the standard deviation (sumdiff) value