

Pseudo code for:

i). highest mark and lowest mark:

Begin

Int high=0, low= allStudentMark[0]; // first index of an all student mark array

Loop through all student mark from 0 to allStudentMark.length

If high < allStudentMark[loopIndex]

high=allStudentMark[loopIndex]

If allStudentMark[loopIndex] < low

low=allStudentMark[loopIndex]

ii).mean and standard deviation

double sum=0.0, mean=0.0;

Loop through allStudentMark.length

sum=sum+allStudentMark[loopIndex] // add all enter mark

mean= sum/(allStudentMark.length) // for mean divide total sum by total input length

double standardDeviationSum=0.0,finalDeviationResult=0.0

Loop through allStudentMark.length

standardDeviationSum = standardDeviationSum + Math.pow((allStudentMark[i] - mean), 2);

finalDeviationResult = Math.sqrt(standardDeviationSum/(allStudentMark.length-1));