BONUS

MA17BTECH11007

Venkata Datta Sai

March 21, 2019

Problem statement

We need to grade the students based on their marks based on relative grading system.

Solution

We use python for this.The program from grader script.

Given the list of marks each in a new line in a file named "marks.txt", it reads and outputs a file

Output file "res.txt" contains marks followed by grades based on Relative grading

Simply copy the column of marks from the sheet and paste in input file. To get only grades, just modify the 60 th line(remove 'str(marsk[i])+"t"') and paste the contents of outputfile in a new column.

We give a grade of A whose marks are above mean+1.5standarddeviation

We give a grade of A- whose marks are between mean+1.5standarddeviation and mean+standarddeviation

We give a grade of B whose marks are between mean+standarddeviation and mean+0.5standarddeviation

We give a grade of B- whose marks are between mean+0.5standarddeviation and mean

We give a grade of C whose marks are between mean and mean-0.5standarddeviation

We give a grade of C- whose marks are between mean-0.5standarddeviation and mean-5standarddeviation

We give a grade of D whose marks are between mean-standarddeviation and mean-1.5standarddeviation

The End