

[Assignment 1]

The grade problem

[Description]

Write a program that grades for 4 students based on the test **score (0-100)** and print out the average score. Each student's **grade (A, B, C, D)** should be given according to the score condition. Add exception handling for the invalid entry (i.e., inputs other than 0 to 100). For example, if a student gets +10 or more than the average score, the student will get "A" grade as shown in the given example.

Notice that

1. The score entry range is 0 to 100 and the grade is A, B, C, D.
2. Display the average score with 2 decimal point places.

Condition

Score condition	Grade
Average Score + 10 <= Score	A
Average Score <= Score < average score + 10	B
Average Score > Score >= average score - 10	C
Average Score - 10 > Score	D

[Example 1]

```
"C:\Users\WRTI2\Desktop\Code Block\project4\bin\..."
Input each of 4 students score (0~100) : 90 80 70 60
The average score : 75.00
The 1st student: 90 A grade
The 2nd student: 80 B grade
The 3rd student: 70 C grade
The 4th student: 60 D grade

Process returned 0 (0x0)   execution time : 2.007 s
Press any key to continue.
```

[Exception handling for invalid entry]

[Rating]

- Total points =100.
 - 1) Print out the average score. (30 points)
 - 2) Display the average score with 2 decimal point place from 1). (10 points)
 - 3) Print out the score(number) and grade(character) dynamically according to the score condition. (40 points)
 - 4) Implement a program to print out the message ("Invalid entry!") about the invalid entry (Inputs other than 0 to 100). (20 points)
- Delay penalty: After due date, 15 points will be deducted for every single day. And submission will not be entertained after 3rd day.
- Submit the successfully compiled source code on I-Campus.