

In this hw, you are asked to write a Java program that loads a series of integers one by one (scores obtained by students in a test) and prints a report showing the following:

- 1) How many students passed the test (passing a test is obtaining a score of 70 or higher)
- 2) Print a report like the one shown in the sample run, a report that shows how many received the grade of A, B, C, D and F. The standard letter grade scale is used-See sample run.

**Note Well that you are NOT allowed to use any array, arrayList, or any data structure that allows holding more than one value.**

**That is: All variables declared in your code must be single variables declared from the primitive data types (or strings).**

**Sample run (User's entry is marked in Bold)**

Welcome to my program. You will be asked to enter the scores of a test one by one, and to enter -1 to stop.

Enter Score (Enter -1 to Stop): **78**  
Enter Score (Enter -1 to Stop): **96**  
Enter Score (Enter -1 to Stop): **45**  
Enter Score (Enter -1 to Stop): **78**  
Enter Score (Enter -1 to Stop): **69**  
Enter Score (Enter -1 to Stop): **71**  
Enter Score (Enter -1 to Stop): **771**  
Score 771 Rejected  
Enter Score (Enter -1 to Stop): **47**  
Enter Score (Enter -1 to Stop): **67**  
Enter Score (Enter -1 to Stop): **82**  
Enter Score (Enter -1 to Stop): **458**  
Score 458 Rejected  
Enter Score (Enter -1 to Stop): **100**  
Enter Score (Enter -1 to Stop): **17**  
Enter Score (Enter -1 to Stop): **97**  
Enter Score (Enter -1 to Stop): **-1**

Here is your report:

- A total of 12 scores entered. 7 of them are 70 or higher.
- Letter Grade distribution of the scores:
  - 3 Students earned the grade of A (90-100)
  - 1 Students earned the grade of B (80-89)
  - 3 Students earned the grade of C (70-79)
  - 2 Students earned the grade of D (60-69)
  - 3 Students earned the grade of F (59 or below)
- The average score is: 70.58

Would you like to process another class? (Y or N): n  
Goodbye!

(Here assume that the user enters either y,Y,n or N)