Lab 7:  
Structs and Sort

In this lab you will construct a program that does the following:

Input a variable number of students.   
Each student has the following data in a struct:

char \*name;  
 int studentID;  
 float GPA;  
 char letterGrade;

Name, ID and GPA should be input by the user. Letter grade must be calculated from the GPA according to the following rules:  
 4.0 A  
 3.0 to 3.9 B  
 2.00 to 2.9 C  
 1.0 to 1.9 D  
 Less then 1.0 F  
  
Once all students are input ,the program must sort them by GPA and then print the sorted list, one student per line, in the following format:  
 <name> : <ID> : <GPA> : <Letter grade>  
Eg:

Jane Doe : 11223 : 4.0 : A  
Joe Bro : 23265 : 2.78 : C