Homework 13

Homework 13.1

1. Create a structure named Date for storing date concerning variables. Each date has a day, a month and a year.
2. Write a function for the input of variable of this type. Remember to check the validation of data
3. Write a function to datecmp to compare two date which return
   * -1     if the first date (parameter) is before the second
   * 0     if two date are identical.
   * 1     if the first date (parameter) is after the second
4. Write a program asking user to for two dates and print out the results of the comparison.
   * For example: 2/10/1997 is after 23/8/1997

Homework 13.2

Write a student management program using this structure:

typedef struct  
{   
  char id[6];

  char name[31];   
  float grade;  
  char level;       
} student;

Students are classified according to their grade in respect to this criteria :

* from 9 to 10: A (Excellent)
* from 8 to 9: B (Good)
* from 6.5 to 8: C (Medium)
* < 6.5 : D (Bad)

The program should read from keyboard data for n students, then print the list of student in order descending of grade like this:

Name            Grade        Level  
Dao Tiem        9.3            A  
Dinh Lan        8.2            B  
Bui Luu Van     5.7            D

Homework 13.3

Define a new type for representing the fractions. Then use it to write a fraction manipulation program. This program have the following functionalities.

* Input for an array of fractions
* Print the content of the fraction array
* Inverse all the fractions in the array
* Compare two fractions
* *(Advanced)*multiply, add two fractions