write this class in your program

class date

{

int day; // Day of the Month

int month; // Month of the year

int year; // Year

};

and **Perform the following tasks:**

Write three functions that check the data being entered through the set () function.

* 1. Write a 3 **private functions :**
     + **Boolean Test\_Day** function that verifies that the day entered is valid .The function should return a true if the day is valid or a false if the day is invalid.
     + **Write a similar function** that verifies that the **month** entered is between 1 and 12. The function should return a true if the data is valid, otherwise it should return a false.
     + **Write a similar function** that verifies that the **year** entered if between 1990 and 2017. The function should return a true if the data is valid, otherwise it should return a false.
  2. set() function:

It will call all the three previous functions to test the given parameters it will return false (and not carry out the data setting all will be zeros 0) if at least one of these three new functions does not return a true .

* 1. Function print() : to print the date in the following format (dd/mm/yyy)

HINT:

Set (day ,month, year){

If (Test\_Day & Test\_month &test\_year )

Return **true** 🡺 set variables with given values

Else set variables to 0 and **return** false }

In main ask the user to enter a date

Call set function and depend on its answer print valid or not valid date

* 1. Run the main() function with dates 02/30/2000, 50/10/1989, 06/30/1800 and 15/7/2017 to see whether it works properly or not.
  2. **TURN IN: .CPP file(s) and the screen output**.