Lab 12

1: Copy and paste the code of the example of constructor in the code file to your visual studio, read and run it to understand different forms of constructor (how to declare, define, call and initialize the class member.)

2: based on your lab11, now change your set_value function to fulfill these requirements:

(1), this function is now the constructor of the class Date.

(2), overload your constructor: implement a default constructor using two different ways of initialization **to set day=1, month=1, year=1**.

(3), Go back to the previous set_value function (which is now a constructor), now you need to make it more reasonable. Means now it'll consider the difference in number of days among months.

January (1) 31 days.

February (2) 28 days(ignore the condition of 29 days).

March (3) 31 days.

April (4) 30 days.

May (5) 31 days.

June (6) 30 days.

July (7) 31 days.

August (8) 31 days.

September (9) 30 days.

October (10) 31 days.

November (11) 30 days.

December (12) 31 days.

Right now we just do a simple correction: if day is larger than 31/30/28…… we just set it as the upper limit of that month.

For example if user want set the date as 2/31/2018, the constructor will correct it to 2/28/2018.

Hint: You can declare some bool variable to judge the month.

For example: for those months that has 31 days, you can do following things

```
bool longmonth=(y==1||y==3||y==5||y==7||y==8||7==10||y==12);

if(x>=31&&longmonth)

{

  x=31;

}
```