#include <iostream>

using namespace std;

class Date

{

private:

int month, day, year;

public:

Date(){month=0; day=0; year=0;}

void setDay(int d)

{

if (d<1 || d>31)

cout << "The day is invalid" << endl;

else

day = d;

}

int getday() { return day; }

void setMonth(int m)

{

if (m < 1 || m > 12)

cout << "The month is invalid" << endl;

else

month = m;

}

int getmonth() { return month; }

void setYear(int y)

{

if (y < 1950 || y > 2020)

cout << "The year is invalid" << endl;

else

year = y;

}

int getyear() { return year; }

void DisplayDate()

{

cout<<"Your Date Is "<<day<<"/"<<month<<"/"<<year<<endl;

}

Date operator+(Date d)

{

Date c;

c.day=day+d.day;

c.month=month+d.month;

c.year=year+d.year;

return c;

}

Date operator+=(Date d)

{

Date c;

c.day=day+d.day;

return c;

}

friend void operator++(Date &d);

};

void operator++(Date &d)

{

d.day=d.day+1;

d.month=d.month+1;

d.year=d.year+1;

}

int main()

{

Date D1; int Month, Day, Year;

cout << "Please enter a month (between 1 - 12) " << endl;

cin >> Month;

D1.setMonth(Month);

cout << "Please enter a day (between 1 - 31) " << endl;

cin >> Day;

D1.setDay(Day);

cout << "Please enter a year (between 1950 - 2020) " << endl;

cin >> Year;

D1.setYear(Year);

//cout << D1.getday() << " /" <<D1.getmonth() << " /" << D1.getyear() << endl;

D1.DisplayDate();

return 0;