Create a class called Time that has separate int member data for hours, minutes and seconds. One constructor should initialize this data to 0, and another should initialize it to fixed values. A member function should display it in 11:59:59 format. A member function named add() should add two objects of type time passed as arguments. A main ( ) program should create two initialized values together, leaving the result in the third time variable. Finally it should display the value of this third variable.

#include<iostream>

using namespace std;

class time

{

    int hours;

    int minutes;

    int seconds;

    public:

    time()

    {

        hours=0;

        minutes=0;

        seconds=0;

    }

    time(int hours,int minutes,int seconds)

    {

        this->hours=hours;

        this->minutes=minutes;

        this->seconds=seconds;

    }

    void display()

    {

        cout<<hours<<":"<<minutes<<":"<<seconds<<endl;

    }

    time add(time d1,time d2)

    {

        time d3;

        d3.seconds=d1.seconds+d2.seconds;

        d3.minutes=d1.minutes+d2.minutes;

        d3.hours=d1.hours+d2.hours;

        if(d3.seconds>=60)

        {

            d3.minutes+=d3.seconds/60;

            d3.seconds=d3.seconds%60;

        }

        if(d3.minutes>=60)

        {

            d3.hours+=d3.minutes/60;

            d3.minutes=d3.minutes%60;

        }

        return d3;

    }

};

int main()

{

    time q(12,43,62);

    time q1(13,46,63);

    time ans;

    ans=ans.add(q,q1);

    q.display();

    q1.display();

    ans.display();

}

OUTPUT:

