☆ QUESTION-5(Time)

Write a program to perform addition of times in hours and minutes format(using friend function)

Input:

10 20

15 45

output:

2 5

Description: first input is 10 hours and 20 minutes and second input is 15 hours and 45 minutes. As sum of minutes is more than 60 i.e 65 therefore 60 minutes are cut from minutes and 1 hour is added in to hours. Similarly as sum of hours are more than 24 therefore 24 hours are cut from total hours as hours can not be more than 24.

Note: Time is in 24 hour format i.e 00:00 to 23:59.

YOUR ANSWER

We recommend you take a quick tour of our editor before you proceed. The timer will pause up to 90 seconds for the tour.   Start tour   ✕

| Original code | C++ ⌄ | ⚙ |

```cpp
 1 ▸ #include<↔
 2   using namespace std;
 3   class times
 4   {
 5   private:
 6   int hours;
 7   int minutes;
 8   public:
 9   void gettime()
10 ▾     {
11      cin>>hours;
12      cin>>minutes;
13   }
14
15      friend times sum(times,times);
16      void display()
17 ▾     {
18          cout<<hours<<" "<<minutes;
19      }
```

```
 23        times t;
 24        int rem;
 25        t.hours=o1.hours+o2.hours;
 26        t.minutes=o1.minutes+o2.minutes;
 27        if(t.minutes>60)
 28        {
 29            rem=t.minutes/60;
 30            t.hours=t.hours+rem;
 31            t.minutes=t.minutes%60;
 32    }
 33        if(t.hours>24)
 34            t.hours=t.hours-24;
 35        return t;
 36        }
 37    int main()
 38    {
 39      times t1,t2,t3;
 40        t1.gettime();
 41        t2.gettime();
 42        t3 = sum(t1,t2);
 43        t3.display();
 44        return 0;
 45    }
```

Line: 15 Col: 1

☐ Test against custom input

Run Code

Submit code & Continue

(You can submit any number of times)

⬇ Download sample test cases
Notepad to edit them on windows.

The input/output files have Unix line endings. Do not use