



★ Time



Create a MyTime class having data member as hour,minute and second.

MyTime class has following public members functions

MyTime(): Default constructor to initialize hour,minute,second to zero.

void getTime(): Function to enter hour,minute and second from keyboard.

void displayTime(): Function to display hour,minute and second in following format hh:mm:ss

if hour ,minute ,second are single digit then left pad the result with zero.

For example 03:23:23

MyTime operator+(MyTime &): overload + operator to add two times entered through keyboard.

Complete the following code to run the program successfully.

Sample Input

2 4 56

10 59 11

Sample Output

13:04:07

Explanation : after adding hours,minutes ,seconds of both time objects i.e

56+11 =1 minute 7 second

4+59+1= 1 hour 4 minute

2+10 +1 = 13 hour

YOUR ANSWER

[Original code](#)

C++



```
1 ▶ #include< >
3 using namespace std;
4 class MyTime
5 {
6     int hour;
7     int minute;
8     int second;
9     public:
10         MyTime();
11         void getTime();
12         void displayTime();
13         MyTime operator+(MyTime&);
14
15 };
16 void MyTime::getTime()
17 {
18     cin>>hour>>minute>>second;
19 }
20 MyTime::MyTime()
21 {
22     hour=0;
23     minute=0;
24     second=0;
25 }
26 void MyTime::displayTime()
27 {
28     if(hour<10 || minute<10 || second<10)
29     {
30         cout<<hour<<":"<<"0"<<minute<<":"<<"0"<<second;
31     }
32     else
33     {
34         cout<<hour<<":"<<minute<<":"<<second;
35     }
36 }
```



```
40     a.hour=this->hour+t.hour;
41     a.minute=this->minute+t.minute;
42     a.second=this->second+t.second;
43     if(a.second>=60)
44     {
45         a.second-=60;
46         a.minute++;
47     }
48     if(a.minute>=60)
49     {
50         a.minute-=60;
51         a.hour++;
52     }
53     return a;
54 }
55
```

```
56 int main()
57 {
58     MyTime date1,date2,date3;
59     date1.getTime();
60     date2.getTime();
61     date3=date1+date2;
62     date3.displayTime();
63     return 0;
64 }
```

Line: 16 Col: 1

☐ Test against custom input

Run Code

Submit code & Continue

(You can submit any number of times)

[Download sample test cases](#) The input/output files have Unix line endings. Do not use Notepad to edit them on windows.