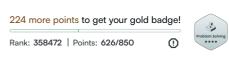
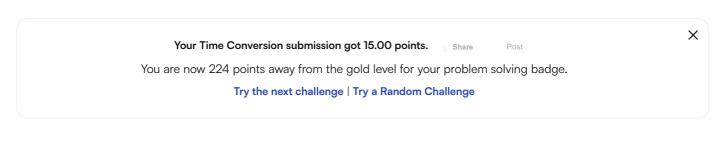
Time Conversion ★





Problem Submissions Leaderboard Editorial 🛆

Given a time in 12-hour AM/PM format, convert it to military (24-hour) time.

Note: - 12:00:00AM on a 12-hour clock is 00:00:00 on a 24-hour clock.

- 12:00:00PM on a 12-hour clock is 12:00:00 on a 24-hour clock.

Example

• s = '12:01:00PM'

Return '12:01:00'.

• s = '12:01:00AM'

Return '00:01:00'.

Function Description

Complete the timeConversion function in the editor below. It should return a new string representing the input time in 24 hour format. timeConversion has the following parameter(s):

• string s: a time in 12 hour format

Returns

• string: the time in 24 hour format

Input Format

A single string **s** that represents a time in **12**-hour clock format (i.e.: **hh:mm:ssAM** or **hh:mm:ssPM**).

Constraints

· All input times are valid

Sample Input 0

07:05:45PM

Sample Output 0

19:05:45



#include <bits/stdc++.h>

```
4
5
     * Complete the 'timeConversion' function below.
 6
7
     * The function is expected to return a STRING.
8
9
     \star The function accepts STRING s as parameter.
10
11
    string timeConversion(string s) {
12
        int h = stoi(s.substr(0, 2));
13
14
         string minute = s.substr(3, 2);
15
        string second = s.substr(6, 2);
16
        string am_pm = s.substr(8, 2);
17
        if (am_pm == "PM" && h != 12) {h += 12;}
        else if (am_pm == "AM" && h == 12) {h = 0;}
19
20
        string hour;
21
        int unit = h % 10;
22
23
        h = h / 10;
        int decimals = h % 10;
24
        if (decimals == 0) {hour = "0" + to_string(unit);}
25
        else {hour = to_string(decimals) + to_string(unit);}
26
27
        string Time_24 = hour + ":" + minute + ":" + second;
28
29
        return Time_24;
    }
30
31
```

Line: 12 Col: 34

Test against custom input

Run Code

Submit Code

You have earned 15.00 points!

You are now 224 points away from the gold level for your problem solving badge.

40%

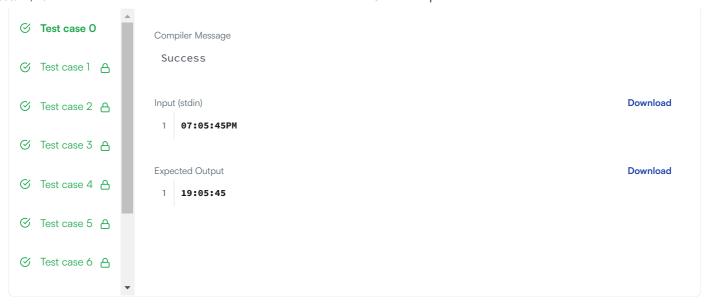
626/850



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