Time Conversion

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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
```

Change Theme Language C++14

```
1  #include <bits/stdc++.h>
2
3  using namespace std;
```

```cpp
/*
 * Complete the 'timeConversion' function below.
 *
 * The function is expected to return a STRING.
 * The function accepts STRING s as parameter.
 */

string timeConversion(string s) {
    int h = stoi(s.substr(0, 2));
    string minute = s.substr(3, 2);
    string second = s.substr(6, 2);
    string am_pm = s.substr(8, 2);

    if (am_pm == "PM" && h != 12) {h += 12;}
    else if (am_pm == "AM" && h == 12) {h = 0;}

    string hour;
    int unit = h % 10;
    h = h / 10;
    int decimals = h % 10;
    if (decimals == 0) {hour = "0" + to_string(unit);}
    else {hour = to_string(decimals) + to_string(unit);}
    string Time_24 = hour + ":" + minute + ":" + second;

    return Time_24;
}
```

Line: 12 Col: 34

Upload Code as File | Test against custom input | Run Code | Submit Code

You have earned 15.00 points!

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40% 626/850

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Test case 5

Test case 6

Compiler Message

Success

Input (stdin) Download

```
1 07:05:45PM
```

Expected Output Download

```
1 19:05:45
```