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Time Conversion

by [vatsalchanana](#)

Problem

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

Note: Midnight is **12:00:00AM** on a **12-hour** clock, and **00:00:00** on a **24-hour** clock. Noon is **12:00:00PM** on a **12-hour** clock, and **12:00:00** on a **24-hour** clock.

Input Format

A single string containing a time in **12-hour** clock format (i.e.: **hh:mm:ssAM** or **hh:mm:ssPM**), where $01 \leq hh \leq 12$ and $00 \leq mm, ss \leq 59$.

Output Format

Convert and print the given time in **24-hour** format, where $00 \leq hh \leq 23$.

Sample Input

07:05:45PM

Sample Output

19:05:45

[f](#) [t](#) [in](#)Submissions: [183410](#)

Max Score: 15

Difficulty: Easy

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Current Buffer (saved locally, editable)

Java 8



```
1 import java.io.*;
2 import java.util.*;
3
4 class Solution {
5
6     public static void convert12To24(String time12) {
7
8         int hours = Integer.parseInt(time12.substring(0,2));
9         String mins = time12.substring(3,5);
10        String secs = time12.substring(6,8);
11        String ampm = time12.substring(8,10);
12
13        if(ampm.equals("AM") && hours == 12){
14            System.out.print("00:");
```

```
15     }
16     else if (ampm.equals("PM") && (hours < 12)){
17         System.out.print(12+hours + ":");
18     }
19     else if (ampm.equals("PM") && (hours == 12)){
20         System.out.print(hours + ":");
21     } else {
22         System.out.print("0" + hours + ":");
23     }
24
25     System.out.print(mins + ":");
26     System.out.print(secs);
27
28 }
29
30 public static void main(String[] args) {
31     /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be
   named Solution. */
32     Scanner scanner = new Scanner(System.in);
33     String time12 = scanner.nextLine();
34
35     convert12To24(time12);
36 }
37 }
```

Line: 36 Col: 6

 [Upload Code as File](#)☐ Test against custom input[Run Code](#)[Submit Code](#)

Congrats, you solved this challenge!

✓ Test Case #0

✓ Test Case #1

✓ Test Case #2

✓ Test Case #3

✓ Test Case #4

✓ Test Case #5

✓ Test Case #6

✓ Test Case #7

✓ Test Case #8

✓ Test Case #9

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