



Time Conversion

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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: [253915](#)

Max Score: 15

Difficulty: Easy

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Current Buffer (saved locally, editable)

Java 7



```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8
9     static String timeConversion(String s) {
10         // Complete this function
11         int len = s.length();
12         String hourDigit = s.charAt(0)+" "+s.charAt(1);
```

```
13 String formatDigit = s.charAt(len-2)+" "+s.charAt(len-1);
14 String sameDigit = s.charAt(2)+" "+s.charAt(3)+" "+s.charAt(4)+" "+s.charAt(5)+" "+s.charAt(6)+" "+s.charAt(7);
15
16 int hourDigitInt = Integer.parseInt(hourDigit);
17 if(formatDigit.equals("PM")){
18     if(hourDigitInt == 12){
19         return "12" + sameDigit;
20     }else{
21         hourDigitInt += 12;
22         return hourDigitInt + " " + sameDigit;
23     }
24 }else{
25     if(hourDigitInt == 12){
26         return "00" + sameDigit;
27     }else{
28         return s.charAt(0) + " " + s.charAt(1) + " " + sameDigit;
29     }
30 }
31 }
32
33 public static void main(String[] args) {
34     Scanner in = new Scanner(System.in);
35     String s = in.next();
36     String result = timeConversion(s);
37     System.out.println(result);
38 }
39 }
40
```

Line: 1 Col: 1

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

Run Code

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