

## Exercise 2

### Question:

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. 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):

- s : a string representing time in 12 hour format

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

Constraints

- All input times are valid

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

Sample Input 0 07:05:45PM

Sample Output 0 19:05:45

### Solution Code:

```
using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

class excercise2
{
    static void timeConversion (string s)
    {
        DateTime d = DateTime.Parse (s);

        Console.WriteLine ("Format 12 Jam:");

        Console.WriteLine ("07:05:45 pm");

        Console.WriteLine ("Format 24 Jam:");

        Console.WriteLine (d.ToString ("HH:mm:ss"));
```

```

Console.ReadLine ();

}
static void Main (string[]args)
{

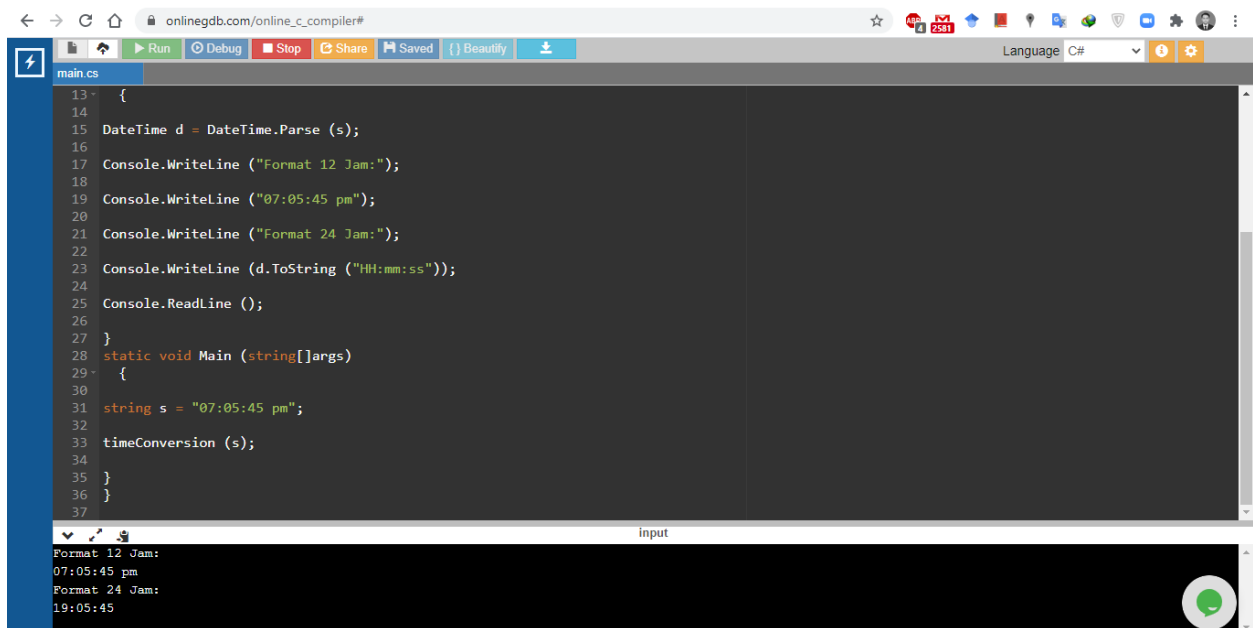
string s = "07:05:45 pm";

timeConversion (s);

}
}

```

## Result:



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler#`. The browser's address bar and various extension icons are visible. Below the browser window is a toolbar with buttons for Run, Debug, Stop, Share, Saved, and Beautify. The main area displays a C# code file named `main.cs` with the following content:

```

13 {
14
15 DateTime d = DateTime.Parse (s);
16
17 Console.WriteLine ("Format 12 Jam:");
18
19 Console.WriteLine ("07:05:45 pm");
20
21 Console.WriteLine ("Format 24 Jam:");
22
23 Console.WriteLine (d.ToString ("HH:mm:ss"));
24
25 Console.ReadLine ();
26
27 }
28 static void Main (string[]args)
29 {
30
31 string s = "07:05:45 pm";
32
33 timeConversion (s);
34
35 }
36 }
37

```

At the bottom of the window, there is an "Input" field and an "Output" area. The output area shows the following text:

```

Format 12 Jam:
07:05:45 pm
Format 24 Jam:
19:05:45

```

## Another Result:

