

## C# Timer Demo

**Source** <http://www.csharp4help.com/archives/archive90.html>

This is an example of a timer in C#. It gives you an understand of time / clock and time conversion functionality.

### Some Tips using Timer:

1. Timer\_Event will fire only after the Timer.Start() method is called.
2. Interval property is used to set the interval between Timer\_Event.
3. Timer can be stopped either by disabling the Timer or calling the Stop() method.

```
using System;
using System.Windows.Forms;
using System.Drawing;

class TimerDemo:Form
{
    Timer Clock;
    Label lbTime=new Label();

    public TimerDemo()
    {
        Clock=new Timer();
        Clock.Interval=1000;
        Clock.Start();
        Clock.Tick+=new EventHandler(Timer_Tick);

        this.Controls.Add(lbTime);
        lbTime.BackColor=Color.Black;
        lbTime.ForeColor=Color.Red;
        lbTime.Font=new Font("Times New Roman",15);
        lbTime.Text=GetTime();
    }

    public string GetTime()
    {
        string TimeInString="";
        int hour=DateTime.Now.Hour;
        int min=DateTime.Now.Minute;
        int sec=DateTime.Now.Second;

        TimeInString=(hour < 10)?"0" + hour.ToString() :hour.ToString();
        TimeInString+=":" + ((min<10)?"0" + min.ToString() :min.ToString());
        TimeInString+=":" + ((sec<10)?"0" + sec.ToString() :sec.ToString());
        return TimeInString;
    }

    public void Timer_Tick(object sender,EventArgs eArgs)
    {
    }
```

```
        if(sender==Clock)
        {
            lbTime.Text=GetTime();
        }
    }

    public static void Main()
    {
        Application.Run(new TimerDemo());
    }
}
```

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