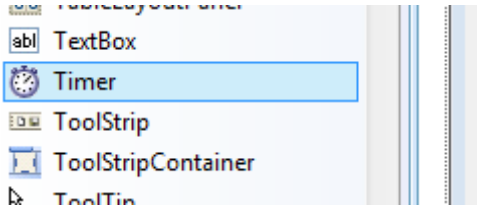
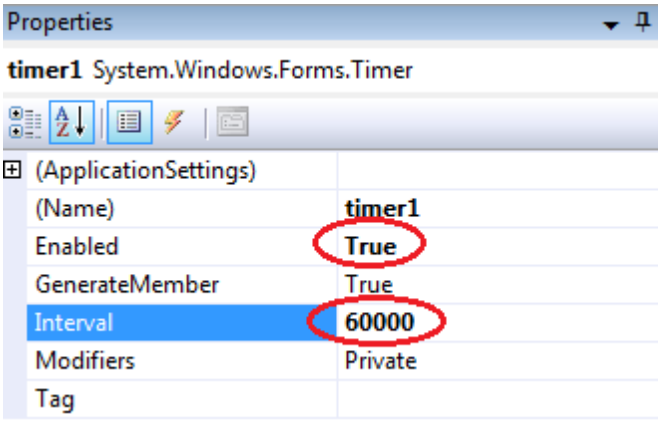
- **What is Timer Control –** The Timer Control plays an important role in the development of programs both Client side and Server side development as well as in Windows Services. With the Timer Control we can raise events at a specific interval of time without the interaction of another thread.



- **Use of Timer Control -** A Timer control does not have a visual representation and works as a component in the background.

- **How to use Timer Control -** We can control programs with Timer Control in **millisecond**, **seconds**, **minutes** and even in **hours**. The Timer Control allows us to set Interval property in milliseconds. That is, **one second is equal to 1000 milliseconds**.

Note: By default the **Enabled property of Timer Control is False**. So before running the program we have to set the Enabled property is True, then only the Timer Control starts its function.



- **Timer Example -** In the following program we display the current time in a Label Control. In order to develop this program, we need a Timer Control and a Label Control. Here we set the timer interval as 1000 milliseconds, that means one second, for displaying current system time in Label control for the interval of one second.

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace BCA_5th_Semester_WinForms
{
    public partial class Form18 : Form
    {
        public Form18()
        {
            InitializeComponent();
        }

        private void timer1_Tick(object sender, EventArgs e)
        {

        }

        private void button1_Click(object sender, EventArgs e)
        {
            label1.Text = DateTime.Now.ToString();
        }
    }
}
```

****