



C# GUI (Graphical User Interface)

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LECTURE 20

Key Events

Windows Forms processes keyboard input by raising keyboard events in response to Windows messages. Most Windows Forms applications process keyboard input exclusively by handling the keyboard events.

Key events occur in the following order:

- KeyDown
- KeyPress
- KeyUp

Key Events

Running Demos

How to add a Picture in C#

Running Demo

Thread.Sleep() Method

The following code can be used for producing a delay in our code.

1000 value for one second.

Syntax:

```
int milliseconds = 1000;
```

```
Thread.Sleep(milliseconds);
```

Time Control (Time Event)

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.

One second is equal to 1000 milliseconds. For example, if we want to set an interval of 1 minute we set the value at Interval property as 60000, means 60×1000 .

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 Control (Time Event)

Running Demos

Current Time Display

Syntax:

```
DateTime.Now.ToString ();
```