

Advance Programming Techniques (APT)

Lecture # 34

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Timer Control

- The **Timer control** in C# WinForms allows you to perform an action **repeatedly** after a specific interval
- It is event-driven and works on the **UI thread**, raising the **Tick** event according to the desired time delay
- Key features:
 - ✓ Executes code automatically
 - ✓ Executes after every given interval
 - ✓ No need for loops
 - ✓ Doesn't freeze UI (if used correctly)

Timer Control

- Timer control is perfect for:
 - Animations
 - Updating progress bar
 - Digital clocks
 - Countdown timers
 - Auto-refresh mechanisms
 - Auto-save features
 - Slideshow transitions

Important Properties

- Enabled
- Interval
- Tick Event
- Starting and stopping the timer