

# Advance Programming Techniques (APT)

Lecture # 17

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# What is a PictureBox?

- The **PictureBox** control is used to **display images** (e.g., JPEG, PNG, BMP, GIF, etc.) in Windows Forms
- Commonly used in apps like
  - Image viewer
  - Product catalogs
  - Dashboards with icons or logos

# Common Properties

Property	Description
<b>Image</b>	The image displayed in the PictureBox
<b>SizeMode</b>	Controls how the image is displayed (Normal, StretchImage, AutoSize, CenterImage, Zoom)
<b>BorderStyle</b>	Sets border style (None, FixedSingle, Fixed3D)
<b>BackColor</b>	Background color of the PictureBox
<b>Visible</b>	Show/hide PictureBox

# Loading Image at Runtime

```
pictureBox1.Image = Image.FromFile(@"C:\Images\car.jpg");
```

```
OpenFileDialog ofd = new OpenFileDialog();
ofd.Title = "Select an Image File";
ofd.Filter = "JPEG Images (*.jpg;*.jpeg)|*.jpg;*.jpeg|" +
    "PNG Images (*.png)|*.png|" +
    "Bitmap Images (*.bmp)|*.bmp|" +
    "GIF Images (*.gif)|*.gif|" +
    "All Files (*.*)|*.*";
ofd.FilterIndex = 1; // Default to JPEGs
if (ofd.ShowDialog() == DialogResult.OK)
{
    pictureBox1.Image = Image.FromFile(ofd.FileName);
}
```

Preview

# Clearing the Image

```
pictureBox1.Image = null;
```

# Displaying Image from Resources

```
pictureBox1.Image = Properties.Resources.logo;
```