

**2100030522**

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**Lab - 11**

using System; using

System.Drawing; using

System.Windows.Forms;

namespace ShapeAndFontPreview

{

public partial class MainForm : Form

{

public MainForm()

{

InitializeComponent();

// Populate the ComboBox with shape options

comboBoxShapes.Items.AddRange(new string[] { "Circle", "Ellipse", "Triangle" });

// Populate the ListBox with font names      foreach

(FontFamily fontFamily in FontFamily.Families)

{

listBoxFonts.Items.Add(fontFamily.Name);

}

}

private void comboBoxShapes\_SelectedIndexChanged(object sender, EventArgs e)

{

// Change the shape of the form based on user selection in the ComboBox

string selectedShape = comboBoxShapes.SelectedItem.ToString();      switch

(selectedShape)

{

```

        case "Circle":
            this.Width = this.Height = 300;           this.Region = new
Region(new Ellipse(0, 0, this.Width, this.Height));           break;
case "Ellipse":
            this.Width = 300;           this.Height = 200;           this.Region =
new Region(new Rectangle(0, 0, this.Width, this.Height));           break;
case "Triangle":
            Point[] points = { new Point(150, 20), new Point(20, 280), new Point(280, 280) };
this.Region = new Region(new GraphicsPath());
            ((GraphicsPath)this.Region.GetRegionData().Clone()).AddPolygon(points);
break;
        }
    }

    private void listBoxFonts_SelectedIndexChanged(object sender, EventArgs e)
    {
        // Display font preview in a label when font is selected in the ListBox
        string selectedFont = listBoxFonts.SelectedItem.ToString();
        labelFontPreview.Font = new Font(selectedFont, 12);           labelFontPreview.Text =
"Preview Text";
    }
}

```

Output :

