

## LAB11

Q)

2100030723

```
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 :

