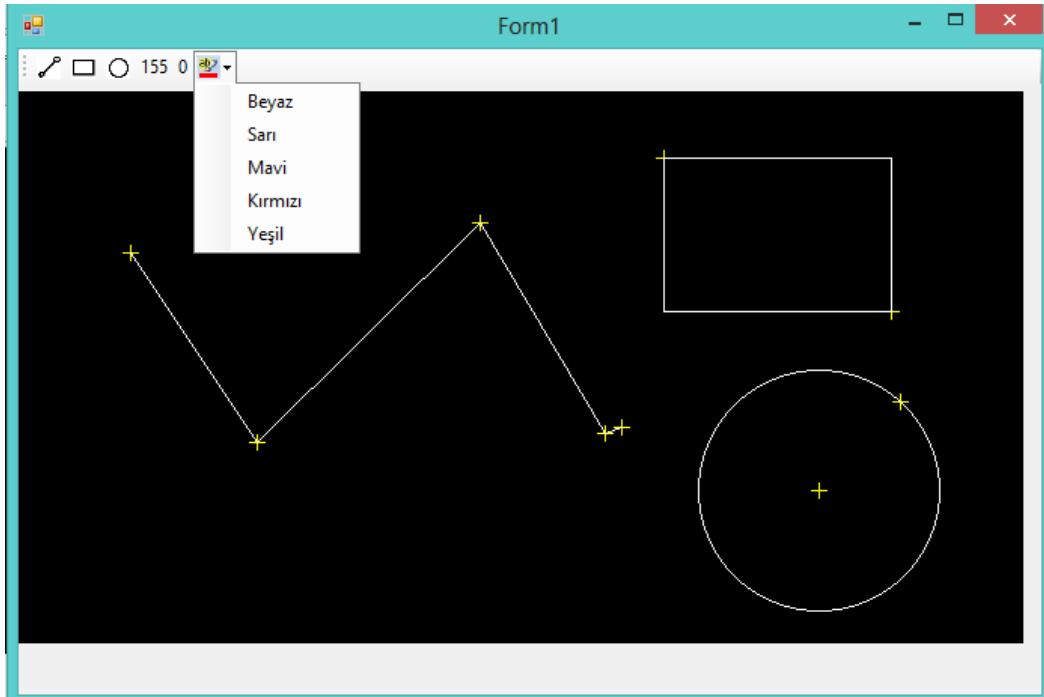# ÇİZİM PROGRAMI -2


```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace WindowsFormsApplication12
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        Graphics grafik;
        int Sayac;
        string CizimModu=null;
        int X1 = 0;
        int Y1 = 0;
        int X2 = 0;
        int Y2 = 0;

        Pen Kalem = new Pen(System.Drawing.Color.White, 1);

        private void Form1_Load(object sender, EventArgs e)
        {
            grafik = pictureBox1.CreateGraphics();


        }


        private void pictureBox1_MouseMove(object sender, MouseEventArgs e)
        {
```

```csharp
            lblX.Text = e.X.ToString();
            lblY.Text = e.Y.ToString();
        }

        private void pictureBox1_MouseUp(object sender, MouseEventArgs e)
        {

            if (Sayac == 0)
            {
                X1 = e.X;
                Y1 = e.Y;
                grafik.DrawLine(Pens.Yellow, X1 - 5, Y1, X1 + 5, Y1);
                grafik.DrawLine(Pens.Yellow, X1, Y1 - 5, X1, Y1 + 5);
                Sayac = Sayac + 1;
            }
            else if (Sayac == 1)
            {
                X2 = e.X;
                Y2 = e.Y;
                grafik.DrawLine(Pens.Yellow, X2 - 5, Y2, X2 + 5, Y2);
                grafik.DrawLine(Pens.Yellow, X2, Y2 - 5, X2, Y2 + 5);

                if (CizimModu == "Line")
                {
                    grafik.DrawLine(Kalem, X1, Y1, X2, Y2);

                X1 = X2;
                Y1 = Y2;
                }
                else if(CizimModu == "Rectangle")
                {
                    //Ödevde her yönden dikdörtgen çizimi tamamlanacak.
                    int Genislik = X2 - X1;
                    int Yukseklik = Y2 - Y1;
                    grafik.DrawRectangle(Kalem, X1, Y1, Genislik, Yukseklik);
                    Sayac =0;
                }
                else if (CizimModu == "Circle")
                {
                    int R =Convert.ToInt32(  Math.Sqrt((X2 - X1) * (X2 - X1) +
(Y2 - Y1) * (Y2 - Y1)));
                    X1 = X1 - R;
                    Y1 = Y1 - R;
                    int W = 2 * R;
                    int H = 2 * R;

                    grafik.DrawEllipse(Kalem, X1, Y1, W, H);
                    Sayac = 0;
                }


            }



        }

        private void btnLine_Click(object sender, EventArgs e)
        {
        CizimModu = "Line";
            Sayac = 0;
        }


        private void btnRectangle_Click_1(object sender, EventArgs e)
        {
```

```csharp
            CizimModu = "Rectangle";
            Sayac = 0;
        }

        private void btnCircle_Click_1(object sender, EventArgs e)
        {
            CizimModu = "Circle";
            Sayac = 0;
        }

        private void beyazToolStripMenuItem_Click(object sender, EventArgs e)
        {
            Kalem.Color = Color.White;
        }

        private void kırmızıToolStripMenuItem_Click(object sender, EventArgs e)
        {
            Kalem.Color = Color.Red;
        }

        private void maviToolStripMenuItem_Click(object sender, EventArgs e)
        {
            Kalem.Color = Color.Blue;
        }

    }
}
```