using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace WS5\_Graphics

{

public partial class Form1 : Form

{

Random random = new Random();

Graphics canvas;

public Form1()

{

InitializeComponent();

canvas = pctbx.CreateGraphics();

}

private void btnexit\_Click(object sender, EventArgs e)

{

DialogResult response;

response = MessageBox.Show("Are you Sure", "Exit", MessageBoxButtons.YesNo);

if (response == DialogResult.Yes)

{

Application.Exit();

}

}

private void btnline\_Click(object sender, EventArgs e)

{

Pen linePen = new Pen(Color.DarkGreen, 2);

canvas.DrawLine(linePen, 20, 20, 100, 100);

}

private void btnrec\_Click(object sender, EventArgs e)

{

Pen RecPen = new Pen(Color.BlueViolet, 2);

canvas.DrawRectangle(RecPen, 200, 200, 100, 50);

}

private void btncirc\_Click(object sender, EventArgs e)

{

Pen CircPen = new Pen(Color.Crimson, 2);

for (int i = 1; i <= 10; i++)

{

int rad = random.Next(0, 100);

int x = random.Next(0, pctbx.Width);

int y = random.Next(0, pctbx.Height);

canvas.DrawEllipse(CircPen, x, y, rad, rad);

}

}

private void btnx\_Click(object sender, EventArgs e)

{

Pen XPen = new Pen(Color.DeepPink, 2);

canvas.DrawLine(XPen, 0, 0, pctbx.Width, pctbx.Height);

canvas.DrawLine(XPen, pctbx.Width, 0, 0, pctbx.Width);

}

private void btnplus\_Click(object sender, EventArgs e)

{

Pen PlusPen = new Pen(Color.Chocolate, 2);

canvas.DrawLine(PlusPen, (pctbx.Width / 2), 0, (pctbx.Width / 2), pctbx.Height);

canvas.DrawLine(PlusPen, 0, (pctbx.Height / 2), pctbx.Width, (pctbx.Height / 2));

}

private void btndiamond\_Click(object sender, EventArgs e)

{

Pen DiamondPen = new Pen(Color.Chocolate, 2);

canvas.DrawLine(DiamondPen, (pctbx.Width / 2), 0, 0, (pctbx.Height / 2));

canvas.DrawLine(DiamondPen, 0, (pctbx.Height / 2), (pctbx.Width / 2), pctbx.Height);

canvas.DrawLine(DiamondPen, (pctbx.Width / 2), pctbx.Height, pctbx.Width, (pctbx.Width / 2));

canvas.DrawLine(DiamondPen, (pctbx.Width / 2), 0, pctbx.Width, (pctbx.Height / 2));

}

private void btnclr\_Click(object sender, EventArgs e)

{

canvas.Clear(Color.White);

}

}

}



