

Черняков Артем 01 группа

Задание №2. Перегрузка функций и операторов

Код:

```
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 WindowsFormsApp2
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
            this.AutoSizeMode =
            System.Windows.Forms.AutoSizeMode.GrowAndShrink;
        }
        private void Рисовать_Click(object sender, EventArgs e)
        {
            Graphics gr = this.Картина.CreateGraphics();
            Pen myPen = new Pen(Color.Red, 2);
            gr.DrawRectangle(myPen, 50, 50, 80, 80);
            float radius = 40.0f;
            float diametr = radius * 2.0f;
            Graphics gr1 = this.Картина.CreateGraphics();
            Pen myPen1 = new Pen(Color.Red, 2);
            gr1.DrawEllipse(myPen1, 250, 50, diametr, diametr);
        }
    }
}
```

```

float radius1 = 40.0f;
float diametr1 = radius1 * 2.0f;
Graphics gr10 = this.Картина.CreateGraphics();
Pen myPen10 = new Pen(Color.Red, 2);
gr10.DrawEllipse(myPen10, 50, 250, diametr1, diametr1);
float radius10 = 40.0f;
float diametr10 = radius10 * 2.0f;
Graphics gr100 = this.Картина.CreateGraphics();
Pen myPen100 = new Pen(Color.Red, 2);
gr100.DrawEllipse(myPen100, 250, 250, diametr10, diametr10);
}
private void Картина_Paint(object sender, PaintEventArgs e)
{
    SolidBrush LightPurpleBrush = new SolidBrush(Color.Purple);
    e.Graphics.FillRectangle(LightPurpleBrush, 30, 30, 120, 120);
    SolidBrush LightBlueBrush = new
    SolidBrush(Color.LightSkyBlue);
    e.Graphics.FillEllipse(LightBlueBrush, 230, 30, 120, 120);
    SolidBrush LightYellowBrush = new
    SolidBrush(Color.LightYellow);
    e.Graphics.FillEllipse(LightYellowBrush, 30, 230, 120, 120);
    SolidBrush LightORBrush = new SolidBrush(Color.OrangeRed);
    e.Graphics.FillEllipse(LightORBrush, 230, 230, 120, 120);
    Graphics gr = this.Картина.CreateGraphics();
    Pen myPen = new Pen(Color.Black, 2);
    gr.DrawRectangle(myPen, 50, 50, 80, 80);
    float radius = 40.0f;
    float diametr = radius * 2.0f;
    Pen myPen1 = new Pen(Color.Black, 2);
    e.Graphics.DrawEllipse(myPen1, 250, 50, diametr, diametr);
    float radius1 = 40.0f;
    float diametr1 = radius1 * 2.0f;

```

```

Pen myPen10 = new Pen(Color.Black, 2);
e.Graphics.DrawEllipse(myPen10, 50, 250, diametr1, diametr1);
float radius10 = 40.0f;
float diametr10 = radius10 * 2.0f;
Pen myPen100 = new Pen(Color.Black, 2);
e.Graphics.DrawEllipse(myPen100, 250, 250, diametr10,
diametr10);
Pen myPen8 = new Pen(Color.Red, 2);
e.Graphics.DrawRectangle(myPen8, 50, 50, 80, 80);
}
}
}

```

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