


```

        answer.Text = (a * b).ToString();
        break;
    case 3:
        answer.Text = (a / b).ToString();
        break;
    case 4:
        answer.Text = (Math.Pow(a, b)).ToString();
        break;
    case 5:
        answer.Text = (a % b).ToString();
        break;
    case 6:
        answer.Text = (Math.Floor(a / b)).ToString();
        break;
    case 7:
        answer.Text = (Math.Log(a, b)).ToString();
        break;
    }
}
else
{
    answer.Text = "???";
}
}

private void comboBox_SelectedIndexChanged(object sender,
EventArgs e)
{
    calc();
}

private void upd1num()
{
    try
    {
        a = Double.Parse(firstNumber.Text.ToString());
        aok = true;
    }
    catch
    {
        aok = false;
    }
    calc();
}

```

```

private void upd2num()
{
    try
    {
        b = Double.Parse(secondNumber.Text.ToString());
        bok = true;
    }
    catch
    {
        bok = false;
    }
    calc();
}

private void firstNumber_Leave(object sender, EventArgs e)
{
    upd1num();
}

private void secondNumber_Leave(object sender, EventArgs e)
{
    upd2num();
}

private void firstNumber_KeyDown(object sender, KeyEventArgs e)
{
    if (e.KeyCode == Keys.Enter) secondNumber.Focus();
}

private void secondNumber_KeyDown(object sender, KeyEventArgs e)
{
    if (e.KeyCode == Keys.Enter) answer.Focus();
}

private void firstNumber_TextChanged(object sender, EventArgs e)
{
    upd1num();
}

private void secondNumber_TextChanged(object sender, EventArgs e)
{
    upd2num();
}

private void button1_Click(object sender, EventArgs e)

```

```

    {
        Form1 form1 = new Form1();
        form1.Show();
        this.Hide();
    }

    private void InitializeComponent()
    {
        this.SuspendLayout();
        //
        // Calculator
        //
        this.ClientSize = new System.Drawing.Size(284, 261);
        this.Name = "Calculator";
        this.Load += new System.EventHandler(this.Calculator_Load);
        this.ResumeLayout(false);

    }

    private void Calculator_Load(object sender, EventArgs e)
    {

    }
}

```

PHI

```

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;
using static System.Windows.Forms.VisualStyles.VisualStyleElement;

```

namespace Практика

```

{

    public partial class RNG : Form
    {
        public RNG()
        {
            InitializeComponent();
            comboBox1.SelectedIndex = 0;
        }

        private void button1_Click(object sender, EventArgs e)
        {
            try
            {
                double a = Double.Parse(textBox1.Text.ToString());
                double b = Double.Parse(textBox2.Text.ToString());
                Random r = new Random();
                textBox3.Text = (Math.Floor((a + r.NextDouble() * (b - a)) *
Math.Pow(10,comboBox1.SelectedIndex)) / Math.Pow(10,
comboBox1.SelectedIndex)).ToString();

            }
            catch
            {
                textBox3.Text = "???";
            }
        }

        private void button2_Click(object sender, EventArgs e)
        {
            Form1 form1 = new Form1();
            form1.Show();
            this.Hide();
        }

        private void InitializeComponent()
        {
            this.SuspendLayout();
            this.ClientSize = new System.Drawing.Size(284, 261);
            this.Name = "RNG";
            this.Load += new System.EventHandler(this.RNG_Load);
            this.ResumeLayout(false);
        }
    }
}

```

```

        private void RNG_Load(object sender, EventArgs e)
        {

        }
    }
}

```

Конвертор

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

```

```

namespace Практика
{

```

```

    public partial class Converter : Form
    {
        public Converter()
        {
            InitializeComponent();
            comboBox1.SelectedIndex = 0;
            comboBox2.SelectedIndex = 0;
        }

```

```

        private void comboBox1_SelectedIndexChanged(object sender,
EventArgs e)
        {
            comboBox2.Items.Clear();
            switch (comboBox1.SelectedIndex)
            {
                case 0:
                    comboBox2.Items.Add("F");
                    break;
                case 1:
                    comboBox2.Items.Add("C");
                    break;
                case 2:

```

```

        comboBox2.Items.Add("cm");
        comboBox2.Items.Add("m");
        comboBox2.Items.Add("km");
        break;
    case 3:
        comboBox2.Items.Add("mm");
        comboBox2.Items.Add("m");
        comboBox2.Items.Add("km");
        break;
    case 4:
        comboBox2.Items.Add("mm");
        comboBox2.Items.Add("cm");
        comboBox2.Items.Add("km");
        break;
    case 5:
        comboBox2.Items.Add("mm");
        comboBox2.Items.Add("cm");
        comboBox2.Items.Add("m");
        break;
    case 6:
        comboBox2.Items.Add("kg");
        comboBox2.Items.Add("t");
        break;
    case 7:
        comboBox2.Items.Add("r");
        comboBox2.Items.Add("t");
        break;
    case 8:
        comboBox2.Items.Add("r");
        comboBox2.Items.Add("kg");
        break;
    }
    comboBox2.SelectedIndex = 0;
    calc();
}

private void textBox1_TextChanged(object sender, EventArgs e)
{
    calc();
}

private void calc()
{
    try
    {

```

```

        double a = Double.Parse(textBox1.Text.ToString());
        if (comboBox1.Text.Equals("C"))    textBox2.Text    =
(Math.Round((a * 9 /
        5 + 32) * 100) / 100).ToString();
        if (comboBox1.Text.Equals("F"))    textBox2.Text    =
(Math.Round(((a -
        32) * 5 / 9) * 100) / 100).ToString();
        double m1 = 1;
        double m2 = 1;
        if (comboBox1.Text.Equals("cm")) m1 = 0.1;
        if (comboBox1.Text.Equals("m")) m1 = 0.001;
        if (comboBox1.Text.Equals("km")) m1 = 0.000001;
        if (comboBox1.Text.Equals("kg")) m1 = 0.001;
        if (comboBox1.Text.Equals("t")) m1 = 0.000001;

        if (comboBox2.Text.Equals("cm")) m2 = 0.1;
        if (comboBox2.Text.Equals("m")) m2 = 0.001;
        if (comboBox2.Text.Equals("km")) m2 = 0.000001;
        if (comboBox2.Text.Equals("kg")) m2 = 0.001;
        if (comboBox2.Text.Equals("t")) m2 = 0.000001;
        if (!(m1 == 1 && m2 == 1)) textBox2.Text = ((m2 / m1) *
a).ToString();
        //if (!(m1 == 1 && m2 == 1) && m1 < m2) textBox2.Text = ((m2
/ m1) *
        a).ToString();
    }
    catch
    {
        textBox2.Text = "???";
    }
}

private void comboBox2_SelectedIndexChanged(object sender,
EventArgs e)
{
    calc();
}

private void button2_Click(object sender, EventArgs e)
{
    Form1 form1 = new Form1();
    form1.Show();
    this.Hide();
}
}

```


}

}

}