

PRESENTACION

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MATRICULA	21-EISM-6-050
MATERIA	<i>Programación Orientada a Objetos</i>
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PRACTICA	<i>Calculadora ComboBox</i>
FECHA	<i>9/10/2024</i>

CALCULADORA COMBOBOX

The screenshot shows a window titled "CALCULADORA" with a standard Windows title bar. Inside, there's a label "ESCOGA LA OPERACION" above a dropdown menu currently set to "SUMA". Below this are two input fields: "PRIMER VALOR" containing "54" and "SEGUNDO VALOR" containing "23". A "RESULTADO" field shows "77". At the bottom are three buttons: "CALCULAR" (highlighted with a blue border), "NUEVO", and "FINALIZAR".

The screenshot shows the same "CALCULADORA" window, but the dropdown menu is now set to "RESTA". The "PRIMER VALOR" field contains "30" and the "SEGUNDO VALOR" field contains "10". The "RESULTADO" field shows "20". The buttons "CALCULAR", "NUEVO", and "FINALIZAR" are still present at the bottom.

```
namespace Calculadora_ComboBox
{
    public partial class FCalculadora : Form
    {
        double vr1, vr2, res;

        public FCalculadora()
        {
            InitializeComponent();
        }

        private void SUMAR()
        {
            ENTRADA();
            res = vr1 + vr2;
            SALIDA();
        }

        private void RESTA()
        {
            ENTRADA();
            res = vr1 - vr2;
            SALIDA();
        }

        private void MULTIPLICAR()
        {
            ENTRADA();
            res = vr1 * vr2;
            SALIDA();
        }

        private void DIVISION()
        {
            ENTRADA();
            res = vr1 / vr2;
            SALIDA();
        }

        private void POTENCIA ()
        {

```

```

        ENTRADA();
        res = Math.Pow(vr1, vr2);
        SALIDA();
    }

    private void ENTRADA()
    {
        vr1 = Double.Parse(txt_primerV.Text);
        vr2 = Double.Parse(txt_segundoV.Text);
    }
    private void SALIDA()
    {
        txt_resultado.Text = Convert.ToString(res);
    }

    private void LIMPIAR ()
    {
        txt_primerV.Clear();
        txt_segundoV.Clear();
        txt_resultado.Clear();
    }

    private void btn_calcular_Click(object sender, EventArgs e)
    {
        if (cbx_operacion.SelectedItem == "SUMA")
        {
            SUMAR();
        }
        else
        {
            if(cbx_operacion.SelectedItem == "RESTA")
            {
                RESTA();
            }
            else
            {
                if(cbx_operacion.SelectedItem == "DIVISION")
                {
                    DIVISION();
                }
            }
            else
            {
                if(cbx_operacion.SelectedItem == "MULTIPLICACION")
                {
                    MULTIPLICAR();
                }
            }
            else
            {
                if(cbx_operacion.SelectedItem == "POTENCIA")
                {
                    POTENCIA();
                }
            }
        }
    }

    private void txt_primerV_KeyPress(object sender, KeyPressEventArgs
e)
    {
        if (!char.IsControl(e.KeyChar) && !char.IsDigit(e.KeyChar))
        {
            e.Handled = true;
        }
    }

    private void txt_segundoV_KeyPress(object sender,
KeyPressEventArgs e)
    {
        if (!char.IsControl(e.KeyChar) && !char.IsDigit(e.KeyChar))

```

```
        {
            e.Handled = true;
        }
    }

    private void txt_resultado_TextChanged(object sender, EventArgs e)
    {

    }

    private void btn_finalizar_Click(object sender, EventArgs e)
    {
        Application.Exit();
    }

    private void btn_nuevo_Click(object sender, EventArgs e)
    {
        LIMPIAR();
    }
}
}
```