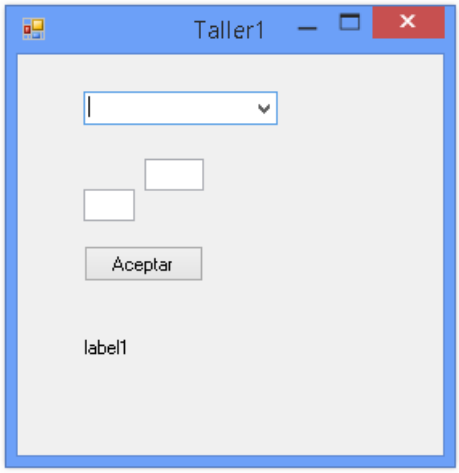
CODIGO-SOLUCIÓN

TALLER GUIA N°1




```
public partial class Taller1 : Form
    {
        public Taller1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            switch(comboBox1.Text)
            {
                case "Factorial":
                    {
                      int n, fact=1;
                      n = int.Parse(textBox1.Text);
                      for(int i=1;i<=n;i++)
                        {
                         fact=fact*i;
                        }
                      label1.Text = fact.ToString();
                      break;

                    }
                case "Potencia":
                    {
                        int num, exp;
                        num = int.Parse(textBox1.Text);
                        exp = int.Parse(textBox2.Text);
                        int pot = 1;
                        for (int i = 1; i <= exp; i++)
                        {
                            pot = pot * num;
                        }
                        label1.Text = pot.ToString();
                        break;
                    }
```

```
            case "Seno":
                {
                    double num;
                    num = double.Parse(textBox1.Text);
                    double seno = Math.Sin(num * Math.PI/180);
                    label1.Text= seno.ToString();
                    break;
                }
            case "Coseno":
                {
                    double num;
                    num = double.Parse(textBox1.Text);
                    double coseno = Math.Cos(num * Math.PI / 180);
                    label1.Text = coseno.ToString();
                    break;
                }

            case "Tangente":
                {
                    double num;
                    num = double.Parse(textBox1.Text);
                    double tangente = Math.Tan(num * Math.PI / 180);
                    label1.Text = tangente.ToString();
                    break;
                }

            case "Raiz Cuadrada":
                {
                    double num;
                    num = double.Parse(textBox1.Text);
                    double raiz = Math.Sqrt(num);
                    label1.Text = raiz.ToString();
                    break;
                }

            case "Serie De Fibonacci":
                {
                    int num;
                    num = int.Parse(textBox1.Text);
                    int a = 0;
                    int b = 1;
                    int c = 1;
                    string serie = "0 - 1";

                    for (int i = 0; i < num-2; i++)
                    {
                        c = a + b;
                        a = b;
                        b= c;
                        serie = serie + " - " + c;

                    }
                    label1.Text = serie;
                    break;
                }
            default:
                {
                    MessageBox.Show("Seleccione una opción Valida");
                    break;
                }
        }

    }
```

```
        private void comboBox1_SelectedIndexChanged(object sender, EventArgs e)
        {
            switch (comboBox1.Text)
            {
                case "Potencia":
                    {
                        textBox2.Visible = true;
                        break;
                    }
                default:
                    {
                        textBox2.Visible = false;
                        break;
                    }
            }
        }
    }
}
```