```csharp
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 Windows_Forms_Example_Factorial

{

    public partial class Form1 : Form

    {

        public Form1()

        {

            InitializeComponent();

        }


        private void label2_Click(object sender, EventArgs e)

        {


        }


        private void button1_Click(object sender, EventArgs e)

        {

            int num=Convert.ToInt32(textBox1.Text);

            int fact = 1;

            for(int i=1; num>0 ; num--)
```
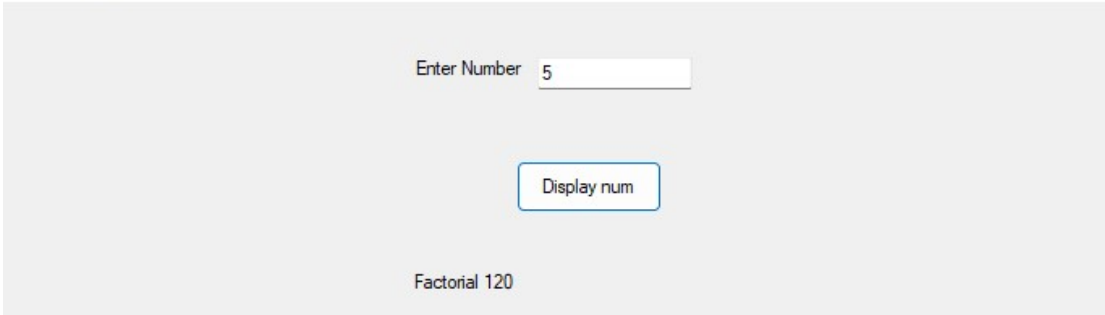
```
        {
            fact = fact * num;
            label2.Text = "Factorial " + fact;
        }
    }
}
}
```

for loop factorial —

Enter Number 5

Display num

Factorial 120