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**Case study:**

Design an application to input two numbers , calculate the sum of the tow numbers and all numbers between them and display the result.

Form1

First Number	Second Number
10	23
Sum	
231	

Calculate Sum      Exit

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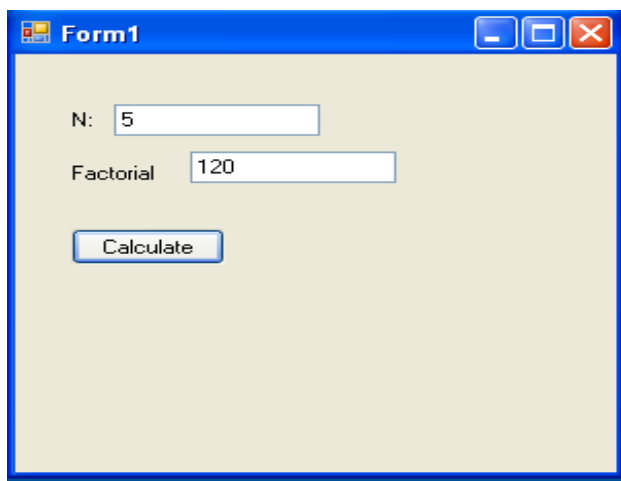
```
private void ButCalculateSum_Click(object sender, EventArgs e)
{
    int FirstNumber, SecondNumber, Sum=0;
    FirstNumber = Int32.Parse(TxtFirstNumber.Text);
    SecondNumber = Int32.Parse(TxtSecondNumber.Text);
    for (int i = FirstNumber; i <= SecondNumber; i++)
    {
        Sum += i;
    }
    TxtSum.Text = Sum.ToString();
}

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

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### Case study:

Design an application to calculate the n factorial and display the result



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