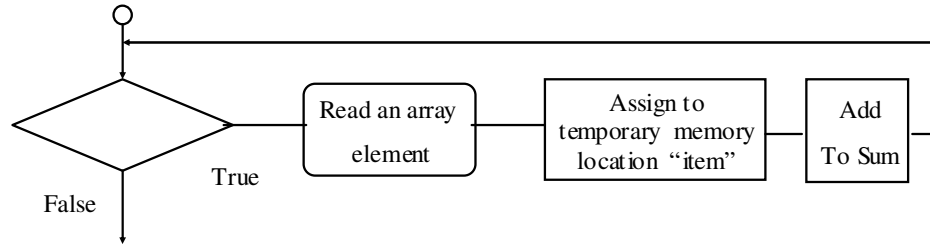- C# provides the foreach repetition structure for iterating through values in data structures, such as arrays.
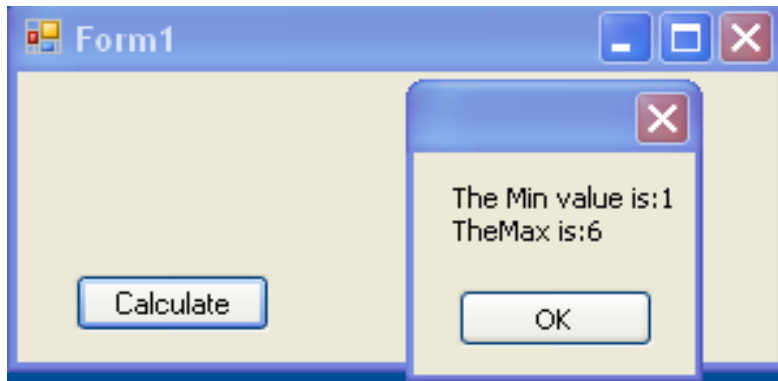
```
foreach ( double item in A)
{
    sum+=item;
}
```

Write a program to input the array A to your computer memory, calculate its Max and Min values and display results.

$$A = \begin{bmatrix} 2 & 4 & 6 \\ 1 & 2 & 3 \end{bmatrix}$$

```
private void ButCalculate_Click(object sender, EventArgs e)
{
    int[,] A = { { 2, 4, 6 }, { 1, 2, 3 } };
    int Min ,Max;
    Min= A[0, 0];
    Max = A[0, 0];
    foreach (int item in A)
    {
        if (item < Min) Min = item;
        if (item > Max) Max = item;
    }
    string s = "The Min value is:"+Min.ToString();
        s += "\nTheMax is:" + Max.ToString();
    MessageBox.Show(s);
}
```

- Passing array argument

  An array is a reference type so it automatically passing by reference. It is enough to mention its name to be passed.

  For example:

  Design two methods, one to calculate the average of passed array and another to print it in a message box.

  Use these methods to calculate the average of elements in array B=[20, 70, 50, 90, 10, 30, 60], display this array and its average.