```csharp
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace Arithmetic
8  {
9    class Program
10   {
11     static void Main(string[] args)
12     {
13       int Number1 = 3;
14       int Number2 = 10;
15       int Number3 = 7;
16       int sum = Number1 + Number2;
17       Console.WriteLine(sum);
18       int difference = Number2 - Number1;
19       Console.WriteLine(difference);
20       int multiply = Number1 * Number2;
21       Console.WriteLine(multiply);
22       int division = Number2 / Number1;
23       Console.WriteLine(division);
24       int remainder = Number2 % Number1;
25       Console.WriteLine(remainder);
26
27       int complex = Number1 + Number2 * Number3;
28       Console.WriteLine(complex);
29       int parentheses = (Number1 + Number2) * Number3;
30       Console.WriteLine(parentheses);
31
32       string firstName = "Ehab";
33       string lastName = "Zaky";
34       string fullName = firstName + " " + lastName;
35       Console.WriteLine(fullName);
36
37       /* The following operation is not possible
38        * as byte and short data types does not
39        * allow mathematical operations */
40
41       //byte shortNumber1 = 5;
42       //byte shortNumber2 = 10;
43       //byte shortNumber3 = shortNumber1 + shortNumber2;
44
45       Number1++;
46       Console.WriteLine(Number1);
47       Number2--;
48       Console.WriteLine(Number2);
49       // Here Number4 will be assigned Number3 value first, then Number3 is being ⮑
                incremented.
50       int Number4 = Number3++;
51       Console.WriteLine(Number4);
```

```
52        // Here Number4 will be decremented first, then Number5 assigned the new
           value.
53        int Number5 = --Number4;
54        Console.WriteLine(Number5);
55      }
56    }
57  }
58
```