

```
1 namespace A2_2_Conditional_Statements
2 {
3     internal class Program
4     {
5         static void Main(string[] args)
6         {
7             // Declare global variables
8             int num1;
9             int num2;
10            string operation;
11            int sum = 0; //Had to set to 0
12            // as it won't compile without a value
13            Console.WriteLine("Please Input a number:"); // Write to Console
14            // Prompting for input for num1
15            num1 = Convert.ToInt32(Console.ReadLine()); // Take input for num1
16            // and convert it to a int to fit in num1
17            if (num1 > 0) //Check if input was a valid numeric value greater than 0
18            {
19                Console.WriteLine("Please Input a second number:"); //
20                // Successful input message
21            }
22            else if (num1 < 0)
23            {
24                Console.WriteLine("Error: Invalid Input"); //Non-
25                // Successful input error message
26            }
27            num2 = Convert.ToInt32(Console.ReadLine()); // Take input for num2
28            // and convert it to a int to fit in num2
29            if (num2 <= 0) //Check if input 2 was an invalid number using <
30            {
31                Console.WriteLine("Error: Invalid Input"); //Non-
32                // Successful input error message
33            }
34            Console.WriteLine("Please choose an operation: Add, Subtract, Multiply, Divide"); //Take input for operator
35            operation = Console.ReadLine(); //
36            // Assign to operation
37            if (operation == "Add") //Check if input was Add
38            {
39                sum = num1 + num2; //Add numbers
40            }
41        }
42    }
43 }
```

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        together and store value in sum
37     }
38     else if (operation == "Subtract")           //Check if input      ↗
        was Subtract
39     {
40         sum = num1 - num2;                       //Subtract          ↗
        numbers together and store value in sum
41     }
42     else if (operation == "Multiply")           //Check if input      ↗
        was Multiply
43     {
44         sum = num1 * num2;                       //Multiply            ↗
        numbers together and store value in sum
45     }
46     else if (operation == "Divide")             //Check if input      ↗
        was Divide
47     {
48         sum = num1 / num2;                       //Divide                  ↗
        numbers together and store value in sum
49     }
50
51     else                                         //Create error          ↗
        situation if none of the above apply
52     {
53         Console.WriteLine("Error Invalid Input");
54     }
55
56
57     Console.WriteLine($"Result: {sum}");         //Output the result
58
59 }
60 }
61 }
62 }
```