

## 500+ C# Programs – sample programs

<https://www.sanfoundry.com/csharp-programming-examples/#csharp-basic-programs>

```
// Czy liczba jest parzysta
using System.Collections.Generic;
using System.Linq;
using System.Text;
namespace check1
{
    class Program
    {
        static void Main(string[] args)
        {
            int i;
            Console.Write("Enter a Number : ");
            i = int.Parse(Console.ReadLine());
            if (i % 2 == 0)
            {
                Console.Write("Entered Number is an Even Number");
                Console.Read();
            }
            else
            {
                Console.Write("Entered Number is an Odd Number");
                Console.Read();
            }
        }
    }
}
```

```
/*
 * C# Program to Find Sum of Digits of a Number using Recursion
 */
using System;
class program
{
    public static void Main()
    {
        int num, result;
        pro pg = new pro();
        Console.WriteLine("Enter the Number : ");
        num=int.Parse(Console.ReadLine());
        result =pg.sum(num);
        Console.WriteLine("Sum of Digits in {0} is {1}", num, result);
        Console.ReadLine();
    }
}

/*
 * C# Program to Find Sum of Digits of a Number using Recursion
 */
```

```

*/
using System;
class program
{
    public static void Main()
    {
        int num, result;
        pro pg = new pro();
        Console.WriteLine("Enter the Number : ");
        num=int.Parse(Console.ReadLine());
        result =pg.sum(num);
        Console.WriteLine("Sum of Digits in {0} is {1}", num, result);
        Console.ReadLine();
    }
}
class pro
{
    public int sum(int num)
    {
        if (num != 0)
        {
            return (num % 10 + sum(num / 10));
        }
        else
        {
            return 0;
        }
    }
}

```

```

/*
 * C# Program to Perform all Basic Arithmetic Operations
 */
using System;
using System.Collections.Generic;
using System.Text;
namespace Program
{
    class Program
    {
        static void Main(string[] args)
        {
            int Num1, Num2, result;
            char option;
            Console.Write("Enter the First Number : ");
            Num1 = Convert.ToInt32(Console.ReadLine());
            Console.Write("Enter the Second Number : ");
            Num2 = Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Main Menu");
            Console.WriteLine("1. Addition");
            Console.WriteLine("2. Subtraction");
            Console.WriteLine("3. Multiplication");
            Console.WriteLine("4. Division");
            Console.Write("Enter the Operation you want to perform : ");
            option = Convert.ToChar(Console.ReadLine());
            switch (option)
            {
                case '1':
                    result = Num1 + Num2;

```

```

        Console.WriteLine("The result of Addition is : {0}",
result);
        break;
    case '2':
        result = Num1 - Num2;
        Console.WriteLine("The result of Subtraction is : {0}",
result);
        break;
    case '3':
        result = Num1 * Num2;
        Console.WriteLine("The result of Multiplication is : {0}",
result);
        break;
    case '4':
        result = Num1 / Num2;
        Console.WriteLine("The result of Division is : {0}",
result);
        break;
    default:
        Console.WriteLine("Invalid Option");
        break;
    }
    Console.ReadLine();
}
}

```

<https://www.includehelp.com/dot-net/print-messages-in-c-sharp.aspx>

```

/*c# basic program to print messages*/
using System;

class HelloWorld {
    static void Main() {
        //print text without inserting new line
        //after the message
        Console.Write("Hello World,");
        Console.Write("How are you?");

        //print new line
        Console.WriteLine();

        //print text with new line after the message
        Console.WriteLine("Hello World");
        Console.WriteLine("How are you?");

        //print new line using escape sequence
        //just like C language
        Console.WriteLine("Hello World\nHow are you?");
    }
}

```

/\*

Wyniki

```
mono /tmp/M4bV476GZa.exe
```

```
Hello World,How are you?
```

```
Hello World
```

```
How are you?
```

```
Hello World
```

```
How are you?
```

```
*/
```

```
// C# program to demonstrate example of
// Console.Write() and Console.WriteLine()

using System;
using System.IO;
using System.Text;

namespace IncludeHelp {
    class Test {
        // Main Method
        static void Main(string[] args) {

            Console.WriteLine("This is line1");
            Console.WriteLine("This is line2");
            Console.Write("This is line3");
            Console.Write("This is line4");

            //hit ENTER to exit the program
            Console.ReadLine();
        }
    }
}
```

```
/*
```

```
This is line1
```

```
This is line2
```

```
This is line3This is line4
```

```
*/
```

```
// C# program to print a new line

using System;
using System.IO;
```

```

using System.Text;

namespace IncludeHelp {
    class Test {
        // Main Method
        static void Main(string[] args) {
            //using \n
            Console.WriteLine("Hello\nWorld");

            //using \x0A
            Console.WriteLine("Hello\x0AWorld");
            Console.WriteLine();

            Console.WriteLine("end of the program");

            //hit ENTER to exit the program
            Console.ReadLine();
        }
    }
}

```

```

/*
Hello
World
Hello
World
end of the program
*/

```

```

// Program to demonstrate the example
// of New keyword in C#

using System;

// Creating class "Sample1"
class Sample1 {
    public void Method() {
        Console.WriteLine("Sample1.Method() called");
    }
}

// Creating class "Sample2"
class Sample2 {

```

```
public void Method() {
    Console.WriteLine("Sample2.Method() called");
}

// The main class
class NewDemo {
    // Main() code/function
    static void Main() {
        // Creating the objects with the help
        // of new keyword
        Sample1 S1 = new Sample1();
        Sample2 S2 = new Sample2();

        // Calling the member function
        S1.Method();
        S2.Method();
    }
}
```

/\*

Sample1.Method() called

Sample2.Method() called

\*/