Example #01

```
using System;
namespace CSharpFundamentals
{
  Public class Person
  {
    Public string firstname;
    public string lastName;
    public void Introduce()
    {
      Console.WriteLine("Hello!, My name
is " + firstName + " " + lastName);
    }
};
class Program
{
  static void Main(string[] args)
```

```
        {
            var John = new Person();
            John.FirstName = "John";
            John.LastName = "Newt";
            John.Introduce();
        }
    }
}
```

Example #02

```
using System;
namespace Calculator
{
    public class calculator
    {
        public static int Add(int a, int b)
        {
            return a+b;
        }
    }
    class Program
```

```
    {
        static void Main(string[] args)
        {
            int result = calculator.Add(2,5);
            Console.WriteLine(result);
        }
    }
}
```

Example #03

```
using System

namespace assignment_07
{
    class Program
    {
        static void Main(string[] args)
        {
            var firstname = "Jazz";
            var lastname = "mash";
            var fullname = firstname + " "
+lastname;
```

```
            var myFullname = string.Format("my
name is {0}{1}", firstname, lastname);
            var names = new string[3] {"john",
"jack", "mary"};
            var formattednames = string.Join(",", names);
            Console.WriteLine(formattednames);
            Console.ReadLine();
        }
    }
}
```

Example #04

```
using System;

namespace assignment_07
{
    class Program
    {
        static void Main(string[] args)
        {
            var firstname = "jazz";
            var lastname = "mash";
```

```
            var fullname = firstname + " "
+ lastname;
            var myfullname = string.Format
("my name is {0}{1}", first, lastname);
            var names= new string[3]{"john",
"jack", "mary"};
            var formattednames = string.Join(","
, names);
            var text = "Hi john \n look
into the following path \n c:\\folder
\\folder1";
            Console.WriteLine(text);
            Console.ReadLine();
        }
    }
}
```

Example #05

```
using System;

namespace assignment_07
{
```

```
class Program
{
    static void Main(string[] args)
    {
        var a = 10;
        var b = a;
        b++;
        Console.WriteLine(string.
Format("a: {0}, b: {1}", a, b));
        var array1 = new int[3]{1,
2,3};
        var array2 = array1;
        var array2[0] = 0;
        Console.WriteLine(string.Format
("array1[0]: {0}, array2[0]: {1},
 array1[0], array2[0]));
        Console.ReadLine();
    }
}
}
```

Example #06

```
using System;
namespace CSharp
{
    public class Person
    {
        Public int Age;
    }
    Class Program
    {
        static void Main(string[] args)
        {
            var number = 1;
            Increment (number);
            Consale.WriteLine (number);

            var person = new person() {Age = 20};
            MakeOld (Person);
            Consale.WriteLine (Person.Age);
        }
        public static void Incremental (int
number)
```

```
        {
            number += 10;
        }
        public static MakeOld(Person
person)
        {
            person.Age += 10;
        }
    }
}
```

Example #07

```
using System

namespace CSharp
{
    class Program
    {
        static void Main(string[] args)
        {
            var numbers = new int[3];
```

```
            numbers[0] = 1;
            Console.WriteLine(numbers[0]);
            Console.WriteLine(numbers[1]);
            Console.WriteLine(numbers[2]);
        }
    }
}
```

Example #08

```
using System;
namespace CSharp
{
    class Program
    {
        static void Main(string[] args)
        {
            var numbers = new int[3];
            numbers[0] = 1;
            Console.WriteLine(numbers[0]);
            Console.WriteLine(numbers[1]);
            Console.WriteLine(numbers[2]);
```

```
var flags = new bool[3]
flags[0] = true;
Console.WriteLine(flags[0]);
Console.WriteLine(flags[1]);
Console.WriteLine(flags[2]);
var names = new string[3]
{"Jack", "John", "Mary"};
}
}
}
```