C# Comments – Single and Multi Line – Examples

C# Comments

Comments are part of the program that are not executed, but increase the readability of the program.

You can write comments in C# in two ways based on the number of lines. They are:

- Single Line Comments
- Multi-line Comments

Single Line Comments

Two forward slashes `//` are used to define a single line comment. Anything that comes after double slash `//` is considered a comment. A single line comment alone can exist in a single line or it can come after a statement.

Program.cs

```
using System;

namespace CSharpExamples {
    class Program {
        static void Main(string[] args) {
            //this is a single line comment
            Console.WriteLine("Hello TutorialKart"); //this is also a comment
        }
    }
}
```

Output

```
Hello TutorialKart
```

If a program statement is commented, it will not be executed.

Program.cs

```
using System;
```

```
namespace CSharpExamples {
    class Program {
        static void Main(string[] args) {
            //Console.WriteLine("Hello World");
            Console.WriteLine("Hello TutorialKart");
        }
    }
}
```

Output

```
Hello TutorialKart
```

The first Console.WriteLine statement is commented, hence not executed.

Multi-line Comments

Multi-line Comments can span across one or more lines. `/* your multiline comment */` is the syntax of a multi-line comment.

Program.cs

```
using System;

namespace CSharpExamples {
    class Program {
        static void Main(string[] args) {
            /*  This is
                a multi-line
                comment */
            Console.WriteLine("Hello TutorialKart");
        }
    }
}
```

Output

```
Hello TutorialKart
```

You can comment a set of statements using multi-line comment.

Program.cs

```
using System;

namespace CSharpExamples {
    class Program {
        static void Main(string[] args) {
            Console.WriteLine("Hello TutorialKart");
```

```
            /* Console.WriteLine("Hello World");
            Console.WriteLine("Hello User"); */
        }
    }
}
```

Output

```
Hello TutorialKart
```

Conclusion

In this C# Tutorial, we learned how to write single line and multi line comments in C# and how to use them in different scenarios.

- C# Write to Console
- C# Read from Console

C# Object Oriented Programming Concepts

- C# Class & Constructors
- C# Encapsulation
- C# Polymorphism
- C# Method Overloading
- C# Interfaces

C# String Operations

- C# String Length
- C# Substring

C# File Operations

- C# Read Text File
- C# Write to File
- C# Delete File
- C# Copy File

C# Exception Handling

- C# try-catch
- C# finally
- C# throw
- C# Custom Exception
- C# SystemException
- C# DivideByZeroException
- C# NullReferenceException
- C# InvalidCastException
- C# IOException
- C# FieldAccessException

C# Collections

- C# List

- C# List
- C# SortedList
- C# HashSet
- C# SortedSet
- C# Stack
- C# Queue
- C# LinkedList
- C# Dicionary
- C# SortedDictionary

C# Errors [Solved]

- C# Error: Class does not contain a constructor that takes arguments