**Comments In C#**

**Comments help in reading the code of a program to understand the functionality of the program.**

In C#, comments are given by the programmer to:

* Provide information about a piece of code.
* Make the program more readable.
* Explain the purpose of using a particular variable or method to a programmer.
* Help to identify comments as they are marked with special characters.

**Types Of Comments**

**Single-line Comments**

Single-line Comments: Begin with two forward slashes (//).

// This block of code will add two numbers

int doSum = 4 + 3;

To write more than one line as comment, begin each line with the double slashes // characters, as shown in the following code:

// This block of code will add two numbers and then put the result in the // variable, doSum

int doSum = 4 + 3;

You can also write the single-line comment in the same line as shown in the following code:

int doSum = 4 + 3; // Adding two numbers

**Multi-line Comments:**

Multi-line Comments: Begin with a forward slash followed by an asterisk (/*) and end with an asterisk followed by a forward slash (*/).

/\* This is a block of code that will multiply two numbers, divide the resultant value by 2 and display the quotient \*/

int doMult = 5 \* 20;

int doDiv = doMult / 2;

Console.WriteLine(“Quotient is:” + doDiv)

**XML Comments**

* XML Comments: Begin with three forward slashes (///). Unlike single-line and multi-line comments, the XML comment must be enclosed in an XML tag. You need to create XML tags to insert XML comments. Both the XML tags and XML comments must be prefixed with three forward slashes.
  + You can insert an XML comment, as shown in the following code:

/// <summary>

/// You are in the XML tag called summary.

/// </summary>

**The following figure displays a complete example of using XML comments:**

