

Comments in code!



Documentation or explanation?

```
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// This outputs a text with a new line
Console.WriteLine("Hello, I'm a line of text with a new line!");

// These two outputs on the same line
Console.Write("Hey!");
Console.Write(" Listen!");
```

```
/*
 * Exceptional multiline comment
 Things can be written on several...
 ... lines!
 ***** And I can use whatever
 text character I want ///"?"=#)*****
 except this combination --> */
Because then I am not allowed to
write without a new comment start
```

Comments in code can be used for both documentation such as the author of a script or as explanation to a piece of code that might be complex or unclear in any way.

The most traditional comment starts with two forward slashes `//`, but there exists other forms of comments such as the multiline comment:

`/*` Starting multiline comment

Here I can write anything within the two notations of the multiline comment!

`*/` Ending multiline comment

Problem with them is that you can not nest them within each other.

Though they can be used to comment out part of something:

```
Console.WriteLine(/*Hello,*/" World!");
```

Should I comment?

```
public class Car
{
    // Gets the speed of the car. <- not a good comment
    public float GetSpeed()
    {
        // needs to be multiplied with 3.61 to
        // convert from mp/h to km/h <- good comment
        return 180 * 3.61f;
    }
}
```

That depends...

Well written code does not require any explanation or documentation as it should be self explanatory.

Take an example of a car, you don't need to have a sticky note on the speedometer of a car to know that it shows the speed.. right?

As a beginner you might be tempted to comment everything and everywhere to help you and your classmates, so don't feel bad for doing that.

As an experienced programmer you want to avoid spamming your code with unnecessary comments.

Pro tip:

Learn your IDEs shortcuts for commenting / uncommenting code:

- **cmd + /** on rider (mac) or **ctrl + k / ctrl + c** (windows)

Try it yourself!

Write some comments and go crazy learning the ways where you can put a comment.

Single line -> //

Multiline -> /* followed by */