**Code structure**

**[Statements](https://javascript.info/structure" \l "statements)**

Statements are syntax constructs and commands that perform actions.

We’ve already seen a statement alert('Hello, world!'), which shows the message.

We can have as many statements in the code as we want. Another statement should be separated with a semicolon.

For example, here we split the message into two:

alert('Hello'); alert('World');

Usually each statement is written on a separate line – thus the code becomes more readable:

alert('Hello');

alert('World');

**[Comments](https://javascript.info/structure" \l "comments)**

As the time goes, the program becomes more and more complex. It becomes necessary to add *comments* which describe what happens and why.

Comments can be put into any place of the script. They don’t affect the execution, because the engine simply ignores them.

**One-line comments start with the two forward slash characters //.**

The rest of the line is a comment. It may occupy a full line of its own or follow a statement.

Like here:

// This comment occupies a line of its own

alert('Hello');

alert('World'); // This comment follows the statement

**Multiline comments start with a forward slash and an asterisk /\* and end with an asterisk and a forward slash \*/.**

Like this:

/\* An example with two messages.

This is a multiline comment.

\*/

alert('Hello');

alert('World');

The content of comments is ignored, so if we put a code inside /\* … \*/ it won’t execute.

Sometimes it comes handy to temporarily disable a part of the code:

/\* Commenting out the code

alert('Hello');

\*/

alert('World');

**Exercises and Questions**

1. Describe the two methods used to create comments in js.

Use // for one line of comment. Use /\* \*/ for more than one line.

1. How do you explicitly signify the end of a statement in js?

Semi-colons ;

1. What is the role of a comment in code?

To describe what is happening in the code so it is organized.

1. It is always a good idea to include the 4 basic comments at the top of every code file. What are the 4 basic comments?

Name, date, name of project, description of code.

1. Load your code from yesterday and document it with the 4 basic comments using a multi-line comment as well as describe the rest of your code your code using single line comments.