**Java script:**

* Lightweight programming language
* can be executed by modern browser
* inserted into html code

**Writing into html: document.write();**

You can only use document.write in the HTML output. If you use it after the document has loaded, the whole document will be overwritten.

**Changing HTML Content**

JavaScript to manipulate the content of HTML elements is very common.

The DOM (**D**ocument **O**bject **M**odel) is the official W3C standard for accessing HTML elements.

**Changing HTML style is also a variant of changing HTML content.**

JavaScripts in HTML must be inserted between <script> and </script> tags.

**<script> tag:**

The <script> and </script> tells where the JavaScript starts and ends.

The lines between the <script> and </script> contain the JavaScript:

**Javascript Function and Events:**

we want to execute code when an **event** occurs, like when the user clicks a button.

If we put JavaScript code inside a **function**, we can call that function when an event occurs.

**Javascript Statements:**

JavaScript statements are "commands" to the browser.The purpose of the statements is to tell the browser what to do.

**Semicolon:**

Semicolon separates JavaScript statements.

Normally you add a semicolon at the end of each executable statement.

Using semicolons also makes it possible to write many statements on one line.

JavaScript code (or just JavaScript) is a sequence of JavaScript statements.

Each statement is executed by the browser in the sequence they are written.

**Javascript Blockcode:**

JavaScript statements can be grouped together in blocks.

Blocks start with a left curly bracket, and end with a right curly bracket.

The purpose of a block is to make the sequence of statements execute together.

**Javascript Case sensitive:**

JavaScript is case sensitive.A function getElementById is not the same as getElementbyID.

A variable named myVariable is not the same as MyVariable.

**JavaScript Data Type:**

JavaScript variables can also hold other types of data, like text values (person="John Doe").