

Here is a summary of the chapter on JavaScript basics:

****Introduction to JavaScript****

- * JavaScript is a programming language created in 1995 by Netscape.
- * It is a dynamic language, based on events, and is executed by the browser.
- * JavaScript is used to manipulate HTML and CSS, and is executed on the client-side.

****Insertion of JavaScript in HTML****

- * There are three ways to add JavaScript to an HTML document:

“`<script>...</script>`”

“`<script src=“file”>`”

“`<script src=“file” type=“text/javascript”>`”

****Syntax and Comments****

- * JavaScript syntax is similar to Java, C, and C++, but is also influenced by Perl and Python.
- * Comments are denoted by double slashes (`//`) for single-line comments and `/* */` for multi-line comments.

****Displaying JavaScript in an HTML File****

- * The `document.write()` function is used to write text to the document.
- * The `+` operator is used to concatenate strings.

****Dialog Boxes****

- * JavaScript provides three default dialog boxes:

“`confirm()`”: displays a message and two buttons, "OK" and "Cancel", and returns a boolean value.

“`prompt()`”: displays a message and two buttons, "OK" and "Cancel", and returns a boolean value.

“`alert()`”: displays a message and one button, "OK", and returns a boolean value.

****Variables and Constants****

- * Variables are containers that hold values.

- * JavaScript is dynamically typed, meaning that the type of a variable is determined at runtime.
- * There are eight types of values in JavaScript: ``String``, ``Number``, ``BigInt``, ``Boolean``, ``Null``, ``Undefined``, ``Symbol``, and ``Object``.
- * The ``typeof`` operator returns the type of a variable or expression.
- * Conversion between types is automatic in JavaScript.

****Operators****

- * Arithmetic operators: ``+``, ``-``, ``*``, ``/``, ``%``, etc.
- * Comparison operators: ``==``, ``!=``, ``===``, ``!==``, etc.
- * Logical operators: ``&&``, ``||``, ``!``, etc.
- * Incrementation operators: ``++``, ``--``, etc.

I hope this summary is helpful! Let me know if you have any questions or if you'd like me to elaborate on any of the topics.