

JavaScript Basics Questions and Answers

Q: Before starting JavaScript, what should you learn?

A: You should learn HTML and CSS.

Q: What is JavaScript used for?

A: JavaScript is used to make webpages more dynamic and interactive. It can change content on a page directly from inside the browser and can be executed as part of a webpage or directly on any machine (host environment).

Q: What was JavaScript originally called?

A: It was originally called LiveScript, but due to the popularity of Java, it was renamed to JavaScript.

Q: What are three ways to display 'Hello World' using JavaScript?

A: 1. `alert("Hello World !");`
2. `console.log("Hello World !");`
3. `document.write("Hello World !");`

Q: What are the six primitive data types in JavaScript checked by the `typeof` operator?

A: 1. undefined: `typeof instance === "undefined"`
2. Boolean: `typeof instance === "boolean"`
3. Number: `typeof instance === "number"`
4. String: `typeof instance === "string"`
5. BigInt: `typeof instance === "bigint"`
6. Symbol: `typeof instance === "symbol"`

Q: What are the structural types in JavaScript?

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A: 1. Object: `typeof instance === "object"`. This includes constructed object instances such as `new Object`, `new Array`, `new Map`, `new Set`, `new WeakMap`, `new WeakSet`, `new Date`, and almost everything made with the `new` keyword.

2. null: `typeof instance === "object"`. It is a special primitive type having additional usage for its value if the object is not inherited.

Q: What are loops used for in JavaScript?

A: Loops are used to perform repeated tasks based on a condition. A loop will continue running until the defined condition returns false.

Q: What are the three most common types of loops in JavaScript?

- A: 1. for loop
2. while loop
3. do while loop