

The zeros and ones of binary code is a low-level language because it's closer to being understood by a CPU. JavaScript on the other hand is a high-level language. This means that it has to be converted to binary code so that a CPU can work with it.

Yes, that's correct! As a high-level language, JavaScript does need to be converted to binary code so that a CPU can work with it.

You are building a website using JavaScript. On which end of the site will JavaScript add interactivity to?

Front-end - Yes, JavaScript adds interactivity to the front-end, or client-side, of a webpage.

JavaScript is integral to our everyday online experiences. Which of the following statements are true? Choose all that apply.

- JavaScript can provide a native feel to apps.
 - Using JavaScript developers can create an original user experience.
- JavaScript is used to power websites.
 - JavaScript is after all often called the language of the web.
- Using JavaScript and React Native developers can create mobile apps.
 - JavaScript isn't limited to only being used in browsers. Developers can also create apps using it in conjunction with React Native.

In JavaScript you can declare a variable with the keyword var. Which one of the following statements about var is correct?

- Var allows you to save a variable so that you can re-use it in future.
 - Var makes your life as a programmer easier by allowing you to re-use a variable multiple time.

Which of the following are examples of valid strings? Choose all that apply.

'Hello world' - "Hello world"

Strings must be enclosed in either single or double quotations.

Which of the following are examples of logical operators? Check all that apply.

Not, Or and And are a logical operator, not a math operator.

If parentheses are not used in a mathematical calculation JavaScript will ...

- Follow the standard mathematical sequence of calculation.
 - If parentheses are not used in a mathematical calculation, JavaScript will follow the standard mathematical sequence of calculation.

String literals are used to create string values in JavaScript. Which of the following are string literals? Select all that apply.

- Single and Double quotation marks
 - You can use single or double quotation marks to make a string literal.

There are various uses of the Boolean data type, one of which is to compare various values and types and it is used in conjunction with various operators such as the strict equality operator. True or false: the strict equality operator only checks for value and not type as well.

False, the strict equality operator which is three equal signs is used to check for value and type.

True or false: An if statement can be used to run code based on a condition being true.

True - Yes, an if statement can be used to run code based on a condition being met.

You need to execute code based on a certain condition being either true or false. Which of the following types of statements can you use to complete this task? Select all that apply.

- A conditional statement
- A switch statements

A conditional and switch statement can be used to execute code based on a certain condition being either true or false.

You need to execute repeated blocks of JavaScript code until a certain condition is satisfied. Can you perform this action using loops?

Yes, JavaScript developers use loops to continually execute repeated blocks of code until a certain condition is satisfied.

How many lines will the loop below print in the console?

```
for (var i = 0; i <= 3; i++) {  
    console.log("This is line ", i)  
}
```

The loop iterates 4 times, from zero to 3.

True or false: A while loop will keep looping through a code block as long as a specified condition is true?

True, A while loop will keep looping through a code block as long as a specified condition is true.

You are running multiple nested loops within your JavaScript code. Could these nested loops cause performance issues with your code?

Yes, the more nested loops there are, the slower your code will run.