

Questions about JavaScript

Explain the difference between the == operator and the === operator.

The == operator compares two values, while allowing for type conversion. So, `9 == "9"` will return true. On the other hand, `===` does not allow for type conversion – and the statement above will return false. (In other words, `===` compares if the 'content' *and* the type of two variables are the same.)

Explain what a closure is. (Note that JavaScript programs use closures very often.)

Sometimes, we want to access variables that are created locally, within a function. For this end, we can enclose the points where these variables are created in another function. Such a function, that 'closes over' some local variables, is called a closure.

Explain what higher order functions are.

Higher order functions are functions that operate on other functions, either by taking them as arguments or returning them. In this way, functions can be created or called conditionally,

Explain what a query selector is and give an example line of JavaScript that uses a query selector.

We can use a query selector to get a certain element from the DOM. An example would be `document.querySelector("p");` which returns the first "p" element in the document.