

# JavaScript intro Q&A

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

The difference between the == operator and the === operator is that the == operator is prone to type conversions, wherein the expressions left and right of the operator are automatically converted to the same type, before being compared, whereas the === operator omits such type conversions, and tests whether two expressions are precisely equal, in both type and value. (Source: Eloquent JavaScript, Marijn Haverbeke)

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

A closure is a function that has access to bindings in its parent scope, around it, even after that scope has already ended. This feature of being able to access such bindings is called “closure”. (Source: Eloquent JavaScript, Marijn Haverbeke)

**Explain what higher order functions are.**

Higher order functions are functions that operate on other function functions. That can mean they take other functions as arguments or return another function. (Source: Eloquent JavaScript, Marijn Haverbeke)

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

The `querySelector()` method is a JavaScript method that returns the first element in a document that matches a specific CSS pattern (a CSS selector), which is given as a parameter to the method. An example line of JavaScript that uses such a query selector is `document.querySelector("p");` which gets the first `<p>` element in the document with `class="example"`. (Source: w3schools)