

# Javascript Warming-Up Questions

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

You use the “==” to compare values of the same type. The outcome is true when both values are the same (except in the case of *NaN*), but when value types differ JavaScript will convert one of the values to the other’s type to determine what to do with it. When you do not want this automatic type conversion to happen you use the “===” operator, this will test whether a value is precisely equal to the other.

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

A function that references to a specific instance of local variables inside. When closures are used multiple instances of the variable can be alive at the same time.

- *Explain what higher order functions are.*

Functions that operate on other functions by either taking them as arguments or by returning them. Higher-order functions allows you to abstract over *actions* and not just values.

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

A query selector is a written method which takes a selector string and returns an array-like object containing data specific for all elements that the query matches with.

For example:

```
function source(selector) {  
    return document. querySelectorAll(selector).src  
}  
source("img");
```

This method will return the source (path to file) for a given query selector. In this case the source will be returned for html elements containing an image.