

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

=== checks if two values are the same of the same type and have the same value.

== only checks if the values are the same.

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

Makes it possible to have private variables in a function. These variables can only be changed by using the function.

**Explain what higher order functions are.**

Functions that operate on other functions, so these more complex functions can use or return other functions.

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

[https://www.w3schools.com/jsref/met\\_document\\_queryselector.asp](https://www.w3schools.com/jsref/met_document_queryselector.asp)

It returns only the first element that matches with a specified CSS selector

```
document.querySelector("p");
```

Gets the first <p> element in the document

```
document.querySelector("p.example");
```

Gets the first <p> element within class= "example".