

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

The == operator checks if two values mean the same, like "" and Null both represent nothing. The === operator checks if two values are exactly the same. Although "" and Null both represent the same expression (namely emptiness), they are two different ways of expressing it, so not exactly identical.

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

Closure is the process of making a function return a function. Function in javascript are treated in the same way as integers and other values.

Explain what higher order functions are.

Higher order functions are functions that enclose other functions in such a way that the new function can be considered to be an action instead, making the uses more intuitive and less error prone.

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

A query selector is a document method that takes a string as argument and returns an array like object containing the elements that match the string. Example:

```
<p>Hello</p>
```

```
<p>World</p>
```

```
<script>
```

```
var firstNode = document.querySelector("p")
```

```
console.log(firstNode)
```

```
</script>
```

this will print <p>Hello</p>