

Questions:

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

The === operator tests whether two things are *exactly the same*, while the == operator would also return True if you compare the integer 8 and the string '8'.

2. Explain what a closure is:

A closure is a function that uses specific instances of local bindings around it. Because a function creates new local bindings for every call and the function doesn't get confused between these local bindings, a function can also return a local binding from a certain call so it can be used outside the local scope of the function.

3. Explain what higher order functions are:

A higher order function is a function that operates on another function, which enables abstraction of actions. By calling a function inside a function a certain part of an 'action' can be abstracted. A function that returns another function is also a higher order function.

4. Explain what a query selector is and give an example line of Javascript that uses a query selector:

A query selector is a method that get's the first element in an HTML document with a certain class.

```
<script>  
    var a = document.querySelector(".example");  
</script>
```

This example binds the first HTML element with class="example" to 'a'.