**Questions**

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

Both operators are used to compare values. While the == operator test if values are equal to each other, the === operator tests whether a value is precisely equal to the other.

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

Closure is the ability to reference a specific instance of a local binding in an enclosing scope. A closure is a function that references bindings from local scopes around it. It makes it possible for a function to have private variables.

* Explain what higher order functions are.

Higher-order functions are functions that operate on other functions, either by taking them as arguments or by returning them. They also allow us to abstract over action, not just values. For example, you can have functions that create new functions, functions that change other functions or functions that provide new types of control flow.

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

Selector syntax is the notation used in style sheets to determine which elements a set of styles apply to and can be used as an effective way to find DOM elements.  
The querySelectorAll method, which is defined both on the document object and on element nodes, takes a selector string and returns an array-like object containing all the elements that it matches. The object won’t change when you change the document.   
  
The querySelector method (without the All part) works in a similar way. This one is useful if you want a specific, single element. It will return only the first matching element or null when no element matches.

Var example = document.querySelector(".example");