Answer the following questions in your own words. This assignment will only be graded pass or fail.

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

== is used when you want the values to be exactly the same. However, === is used in cases where you do not want any automatic type conversion to take place.

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

This feature—being able to reference a specific instance of local variables in an enclosing function—is called *closure*. A function that “closes over” some local variables is called *a* closure.

* Explain what higher order functions are.

Functions that operate on other functions, either by taking them as arguments or by returning them, are called *higher-order functions*.

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

The querySelector() method returns the first element that matches a specified *CSS selector(s)* in the document.

**Note:** The querySelector() method only returns the first element that matches the specified selectors. To return all the matches, use the [querySelectorAll()](https://www.w3schools.com/jsref/met_document_queryselectorall.asp) method instead.

If the selector matches an ID in document that is used several times (Note that an "id" should be unique within a page and should not be used more than once), it returns the first matching element.

document.querySelector("p.example");

https://www.w3schools.com/jsref/met\_document\_queryselector.asp