Questions

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.**

The == operator automatically converts the types of both values. For example: 0 == false returns true, because when converting strings and numbers to Boolean values 0 counts as false. The === operator does not automatically convert values and checks whether a value is precisely equal to the other. 0 === false will therefore return false.

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

Closure is the concept that local variables are recreated for every call, which enables us to reference a specific instance of local variables in an enclosing function.

**Explain what higher order functions are.**

Higher order functions are functions that operate on other functions by taking them as arguments or by returning them. Higher order functions are used to avoid long programmes and the risk on bugs that comes with them.

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

A query selector takes a selector string and returns an array-like object containing all the elements that it matches.

for example:

*function count(selector) {*

*return document.querySelectorAll(selector).length:*

*console.log(count(“p”)); => returns all p elements*