

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 means abstract equal to while the === operator means strict equality.

Example: 1 == "1" Is int 1 equal to string 1?
Result: true ("1" gets converted to 1 with the == operator)

Example: 1 === "1" Is int 1 equal to string 1?
Result: false ("1" doesn't get converted to 1 with the === operator)

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

Closure is a function usually created by another function plus the outer context, variables this function relies on. So even if this outer function gets closed these variables from the outer function are still available.

- *Explain what higher order functions are.*

Higher order functions are functions that operate on other functions by either taking them as argument or returning them. The fact that JavaScript supports first-class functions makes it possible to create higher order functions.

Higher order functions allow us to abstract over actions, not just values. You can use higher order functions, for example, as functions that create new functions, 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.*

A query selector is an easy method to return the first element that matches a specified selector. You can also use querySelectorAll() method to return all matches.

Example: const homepage = document.querySelector(".homepage");
 console.log(homepage);