

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

Answer:

The "a == b" means that to check whether the value of a and the value of b are equal. If equal, it returns true, else false.

The "a === b" means that to check whether both the value and type of a and b are equal. If equal, it returns true, else false.

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

Answer:

A closure is the combination of a function and environment, which is a clear way to deal with special issues. It is a reference to a function variable. It don't release resource after return from the function.

3: Explain what higher order functions are.

Answer:

Higher order function can pass a function (at least one) as a parameter to another function. Also, it can as a return value for another function.

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

Answer:

A query selector can return the first matching element node within the search tree. If there is no such node, the method must return null.

Sample:

```
<div class="a"> t1 </div>
<div class="a"> t2 </div>
<div class="a"> t3 </div>
```

```
Var test = document.querySelector('.a');
```

The answer of test is <div class="a"> t1 </div>