Assignment 7

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Week2 Day 5

1. Determine what this JavaScript code will print out (without running it):

undefined "x" is defined again at the bottom of function "c". If it has not with the var keyword, it will show the value of the global "x" variable.

8 "a" is a parameter of function "c". Number 8 is assigned to "a".

8 "b" is a parameter of function "f". Parameter "a" is assigned to a parameter "b"

9 "b" is a parameter of function "c". A function "f" cannot affect it.

10 In this case, "b" is a global variable. It is separated from the

parameters.

1 Function "c" and "f" are redefined "x" variable. The value of "x" only

changed on function scope.

1. Define Global Scope and Local Scope in JavaScript.

Global Scope: The declared variable using var, let and const is not inside of a function. If a variable is not using keyword (var, let, const), it will be Global Scope. It can be inside of a function.

Local Scope: If a variable is declared using var, let, and const inside of a function.

3.Consider the following structure of JavaScript code.

* 1. Do statements in Scope A have access to variables defined in Scope B and C?

Scope "A" is Global scope. Scope "B" is the Function scope. Scope "C" is Function scope inside of function "XFunc". So, the Global scope cannot access variables defined in the Function scope.

* 1. Do statements in Scope B have access to variables defined in Scope A?

The Function scope "B" can access variables defined in the Global Scope "A".

* 1. Do statements in Scope B have access to variables defined in Scope C?

Scope "C" is Function scope inside of Scope "B". So, "B" cannot access variables defined in the "C".

* 1. Do statements in Scope C have access to variables defined in Scope A?

The Function scope "C" can access variables defined in the Global Scope "A".

* 1. Do statements in Scope C have access to variables defined in Scope B?

Scope "C" is Function scope inside of Scope "B". So, "C" can access variables defined in the "B".

1. What will be printed by the following (answer without running it)?

81 This code declared "x" variable in Global scope. The function "myFunction" accessed the Global variable "x" and produced return value.

25 "x = 5" means assigned new value for the Global variable "x". So, the function "myFunction" produced return value using new "x" value.

1. What will the alert print out? (Answer without running the code. Remember "hoisting".)?

10 A variable "foo" is redefined inside of function "bar". It is Hoisting. So, a variable "foo" will be "undefined". Then "if condition" will be true. After that value of "foo" is changed to 10. Then "alert" will show 10.