```
x = 1;
var a = 5;
var b = 10;
var c = function() {
   document.write(x);
    document.write(a);
    var f = function(a, b, c) {
       b = a;
       document.write(b);
       b = c;
        var x = 5;
    f(a, b, c);
    document.write(b);
    var x = 10;
c(8, 9, 10);
document.write(b);
document.write(x);
-- -- -- -- -- -- -- -- -- -- -- --
First, in the Global Lexical Environment:
    Phase 1 - hoisting
       var x = undefined
        var a = undefined
        var b = undefined
        var c = [function(){}]
    Phase 2 - Execution/Evaluation
        x = 1
        a = 5
        b = 10
        calls c()
        Next, in the c() function's Lexical Environment:
            Phase 1 - hoisting
                var x = undefined
                var f = [function(){}]
            Phase 2 - Execution/Evaluation
                document.write(x); //x = 1 //global value
                document.write(a); //a = 5 //global value
                calls f(8, 9, 10)
                    Phase 1 - hoisting
                        var x = undefined
                        var a = undefined
                        var b = undefined
                        var c = undefined
                    Phase 2 - Execution/Evaluation
                        a = 8
                        b = 8 //b=a
                        document.write(b); //8
                        c = 10
                        x = 5 //x updated
        document.write(b); //10
        x = 10 //nested scope
        document.write(b); //10 //global variable,
        document.write(x); //1
                                  //global variable
```

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Variables defined inside a function are in local scope while variables defined outside of a function are in the global scope. Each function when invoked creates a new scope.

```
question-3
```

- (a) Do statetments in Scope A have access to variables defined in scope B and C? No, scope A can't access nested scope/functions
- (b) Do statetments in Scope B have access to variables defined in scope A? Yes, Scope of A global to scope of B.
- (c) Do statetments in Scope B have access to variables defined in scope C? No, scope B can't access below nested scope
- (d) Do statetments in Scope C have access to variables defined in scope A? yes, the act like global scope
- (e) Do statetments in Scope C have access to variables defined in scope B? yes, the act like global scope

## question-4

## question-5