Lab 4

- 1. What will be printed by the following code snippets in strict mode (answer without running it)?
- 2. Draw the lexical environment diagram for each code snippet. Or you may list it instead of drawing. For example:

```
1. Global EC creation:
Outer: null, LE: [{ ....}], TDZ{...}
2.Global EC execution:
Outer: null, LE: [{ ....}], TDZ{...}
3.C FEC creation:
Outer: ..., LE: [{ ....}], TDZ{...}
4.C FEC execution:
Outer: ... , LE: [{ .... }], TDZ{...}
```

```
let x;
var a = 5;
var b = 10;
var c = function(a, b, c) {
                  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);
```

Code 1

```
var x = 9;
function myFunction() {
    return x * x;
}
document.write(myFunction());
x = 5;
document.write(myFunction());
```

Code 2

```
var foo = 1;
function bar() {
        if (!foo) {
            var foo = 10;
        }
        alert(foo);
}
```

Code 3

Jian Output: underined 88910 underined
161 Output: 8125
10 Output 10

2.

```
FEC : credion + execution
outler: C + this: -
        Ex underined aromads: Obi {a. 8, b. 9, c. 10. }
   CEC: creation - p execution the ---
        E aldnerge; op: 12: mystileg : mystileg?
 GEC GEC acreation > execution
      outer: null this: window
        { a : undefined, b : undefined of undefined of undefined
Output. Underined 8 8 9 10 underined.
```

myfundionEC: creation > execution E3: strongmeno 3]: 31 myfunction EC ; creation > exection autor: global. LE: ¿ arguments: [3 3 GEC : creation > execution llun: 1940 LE; { X: anderined, my andian: fn} output : 8125

bar EC: creation > execution
outer: alobal

His:

LE foo: undefined, arguments: & 3

GEC: creation > execution
outer: null

His: window

LE:

[foo: undefined, bar: Fn

Output ; 10