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);
}
bar();
```

Code 3