

## Lab 6

1. What will be printed by the following code snippets in non-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:  
LE:{ ...., outer:null}, TDZ{...}
  2. Global EC execution:  
LE:{ ...., outer:null}, TDZ{...}
  3. C FEC creation:  
LE:{ ...., outer:null}, TDZ{...}
  4. C FEC execution:  
LE:{ ...., outer:null}, TDZ{...}

...

```
x = 1;
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*