Lab 6

1. What will be printed by the following code snippets (answer without running it)?
2. Draw the lexical environment diagram for each code snippet.

```
x = 1;
var a = 5;
var b = 10;
var c = function(a, b, c) {
                document.write(x); undefined
                document.write(a);    8
                var f = function(a, b, c) {
                                b = a;
                                document.write(b); 8
                                b = c;
                                var x = 5;
                    }
                f(a,b,c);
                document.write(b); 9
                var x = 10;
        }
c(8,9,10);
document.write(b); 10
document.write(x);  1
}
```

Code 1

Ans: undefined , 8 , 8 ,9,10 , 1

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

81

25

Answer: 81,25

Code 2

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

10

Ans: 10

Code 3