

```
1 /***** 15_SCOPING *****/
2
3 /**
4  * Global Scope
5  * Function Scope
6  * Block Level Scope
7  */
8 var a = 1;
9 let b = 2;
10 const c = 3;
11
12 console.log('Global Scope: ', a, b, c);
13
14 function test() {
15     var a = 4;
16     let b = 5;
17     const c = 6;
18     console.log('Function Scope: ', a,b,c);
19 }
20 test();
21
22 console.log('Global Scope: ', a, b, c);
23
24 if (true) {
25     var a = 7;
26     /**
27      * @GOTCHA
28      * var in block level scope affects global level scope.
29      */
30     let b = 8;
31     const c = 9;
32     console.log('Block Level Scope: ', a,b,c);
33 }
34
35 console.log('Global Scope: ', a, b, c);
36
37 for(let a = 0; a < 10; a++) {
38     console.log(`Loop: ${a}`);
39 }
40
41 console.log('Global Scope: ', a, b, c);
42
43 for(var a = 0; a < 10; a++) {
44     console.log(`Loop: ${a}`);
45 }
46
47 console.log('Global Scope: ', a, b, c);
48
49
```