## Hoisting

### https://scotch-res.cloudinary.com/image/upload/dpr_2,w_700,q_auto:good,f_auto/media/8976/bNTL1QI3RFebh7C1JPYC_variable%20hoisting.png

function hoist() {

a = 20;

var b = 100;

}

hoist();

console.log(a);

/\*

Accessible as a global variable outside hoist() function

Output: 20

\*/

console.log(b);

/\*

Since it was declared, it is confined to the hoist() function scope.

We can't print it out outside the confines of the hoist() function.

Output: ReferenceError: b is not defined

\*/

### 1. console.log(employeeId);

1. Some Value
2. Undefined
3. Type Error
4. ReferenceError: employeeId is not defined

Answer: 4) ReferenceError: employeeId is not defined

### 2. What would be the output of following code?

console.log(employeeId);

var employeeId = '19000';

1. Some Value
2. undefined
3. Type Error
4. ReferenceError: employeeId is not defined

Answer: 2) undefined

### 3. What would be the output of following code?

var employeeId = '1234abe';

(function(){

console.log(employeeId);

var employeeId = '122345';

})();

1. '122345'
2. undefined
3. Type Error
4. ReferenceError: employeeId is not defined

Answer: 2) undefined

### 4. What would be the output of following code?

var employeeId = '1234abe';

(function() {

console.log(employeeId);

var employeeId = '122345';

(function() {

var employeeId = 'abc1234';

}());

}());

1. '122345'
2. undefined
3. '1234abe'
4. ReferenceError: employeeId is not defined

Answer: 2) undefined

### 5. What would be the output of following code?

(function() {

console.log(typeof displayFunc);

var displayFunc = function(){

console.log("Hi I am inside displayFunc");

}

}());

1. undefined
2. function
3. 'Hi I am inside displayFunc'
4. ReferenceError: displayFunc is not defined

Answer: 1) undefined

### 6. What would be the output of following code?

var employeeId = 'abc123';

function foo(){

employeeId = '123bcd';

return;

}

foo();

console.log(employeeId);

1. undefined
2. '123bcd'
3. 'abc123'
4. ReferenceError: employeeId is not defined

Answer: 2) '123bcd'

### 7. What would be the output of following code?

var employeeId = 'abc123';

function foo() {

employeeId = '123bcd';

return;

function employeeId() {}

}

foo();

console.log(employeeId);

1. undefined
2. '123bcd'
3. 'abc123'
4. ReferenceError: employeeId is not defined

Answer: 3) 'abc123'

### 8. What would be the output of following code?

var employeeId = 'abc123';

function foo() {

employeeId();

return;

function employeeId() {

console.log(typeof employeeId);

}

}

foo();

1. undefined
2. function
3. string
4. ReferenceError: employeeId is not defined

Answer: 2) 'function'

### 9. What would be the output of following code?

function foo() {

employeeId();

var product = 'Car';

return;

function employeeId() {

console.log(product);

}

}

foo();

1. undefined
2. Type Error
3. 'Car'
4. ReferenceError: product is not defined

Answer: 1) undefined

### 10. What would be the output of following code?

(function foo() {

bar();

function bar() {

abc();

console.log(typeof abc);

}

function abc() {

console.log(typeof bar);

}

}());

1. undefined undefined
2. Type Error
3. function function
4. ReferenceError: bar is not defined

Answer: 3) function function