JavaScript Output based test - 3

March-24/ JS/003 Time: 02:00hrs

JavaScript

Diploma in Advance Computing

March 2024

***What will be the output of the following code snippet?***

1. let x = { b: 1, c: 2 };

let y = Object.keys(x);

console.log(y.length);

1. let x = '{ "b": 1, "c": 2 }';

let y = JSON.parse(x);

console.log(typeof y);

1. let x = 0.1 + 0.2;

let y = 0.3;

console.log(x == y);

1. let x = 1 > 2 > 3;

console.log(x);

1. let x = false;

let y = "0";

let z = 0;

console.log(x == y);

console.log(x == z);

1. let x = [];

console.log(Boolean(x));

1. let x = Infinity;

console.log(typeof x);

1. let x = "5";

let y = 2;

console.log(x + y);

console.log(x - y);

1. let a = () => {

console.log(this);

};

a();

1. let x = "hello";

let y = new String("Hello");

console.log(x == y);

console.log(x === y);

1. let x = [];

let y = [];

let z = x + y;

console.log(typeof z);

1. let x = [1, 2, 3, 4, 5];

let y = x.filter((n) => n >= 3);

console.log(y);

1. let x = true;

let y = false;

let z = x + y && x \* y;

console.log(z);

1. function foo(a, b) {

console.log(arguments[1]);

}

foo(3);

1. let x = "false";

let y = !x;

console.log(y);

1. let x = 1;

let y = "1";

console.log(++x, ++y);

1. var num = 8;

var num = 10;

console.log(num);

1. let x = "b";

let y = "a";

console.log(x + y + + y + y);

1. console.log(x);

var x;

1. let x = true + true;

let y = x + false;

console.log(y);

1. let x = [2];

let y = 2;

console.log(x == y);

1. let x = [1, 2, 3];

console.log(typeof x);

1. const a = { b: { c: 2 } };

const b = { ...a };

a.b.c = 3;

console.log(b.b.c);

1. let x = [1, 2, 3];

let [, , y] = x;

console.log(y);

1. let x = { a: 1, b: 2 };

let y = { b: 3 };

let z = { ...x, ...y };

console.log(z);

1. let x = [1, 2, 3];

let y = x.map((num) => {

x.push(num + 3);

return num + 1;

});

console.log(y);

1. let arr = [1, 2, 3];

arr[10] = 4;

console.log(arr.length);

1. let x = { a: 1 };

let y = Object.assign({}, x);

console.log(x === y);

1. let x = [1, 2, 3, 5];

x.forEach((e) => {

if (e > 2 && e < 5) return;

console.log(e);

});

1. let x = 10;

let y = 20;

console.log("total = " + x + y);

1. let x = 5;

let y = 6;

x += x > y ? x : y;

console.log(x);

1. const arr = [1, 2, 3];

arr.forEach((num) => num \* 2);

console.log(arr);

1. let a = [1, 2, 3];

a.push(a[2]++);

console.log(a);

1. let x;

console.log(x);

1. let x = [1, 2, 3];

let y = x.join("");

console.log(typeof y);

1. let margin = "10px";

let x = parseInt(margin);

console.log(parseInt(x));

1. setTimeout(() => {

console.log(1);

}, 0);

console.log(2);

1. let x = [1, 2, 3];

let y = x.map((x, i) => x + i);

console.log(y);

1. let x = [null, 0, "0", false, "a"];

let y = x.filter((value) => value);

console.log(y);

1. let x = true;

let y = false;

console.log(x + y);

1. let x = ["apple", "banana", "cherry"];

let y = x.filter((i) => i.startsWith("b"));

console.log(y);

1. let x = 10.5;

let y = parseInt(x);

console.log(y);

1. let x = 1;

console.log(x + x++);

1. let x = [1];

let y = x + 1;

console.log(y);

1. let x = 7;

let y = !!x && !!!x;

console.log(y);

1. let a = 10;

let b = (a, a + 10);

console.log(b);

1. let x = "5";

let y = 3;

console.log(x - y);

1. let x = 7;

let y = (typeof x).length;

console.log(y);

1. let x = 6;

let y = typeof (x == 6);

console.log(y);

1. let x = [1, 2, 3];

let y = x.slice();

console.log(y, x === y);

1. let x = () => {

return { y: "z" };

};

console.log(typeof x().y);

**Answers**

1. 2
2. object
3. false
4. false
5. true

true

1. true
2. number
3. 52

3

1. undefined
2. false

false

1. string
2. [3, 4, 5]
3. 0
4. undefined
5. false
6. 2 2
7. 10
8. baNaNa
9. undefined
10. 2
11. true
12. object
13. 3
14. 3
15. { a: 1, b: 3 }
16. [ 2, 3, 4 ]
17. 11
18. false
19. 1

2

5

1. total = 1020
2. 11
3. [ 1, 2, 3 ]
4. [ 1, 2, 4, 3 ]
5. Undefined
6. String
7. 10
8. 2

1

1. [ 1, 3, 5 ]
2. [ '0', 'a' ]
3. 1
4. [ 'banana' ]
5. 10
6. 2
7. 11
8. false
9. 20
10. 2
11. 6
12. Boolean
13. [ 1, 2, 3 ] false
14. string