JavaScript Output based test - 1

March-24/ JS/001 Time: 02:00hrs

JavaScript

Diploma in Advance Computing

March 2024

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

1. var x = 5;

console.log(x + "5");

1. var num = 10;

function increment() {

++num;

}

console.log (num);

increment();

1. var x = 10;

function foo() {

var x = 5;

console.log(x);

}

foo();

console.log(x);

1. var arr = [1, 2, 3, 4, 5];

var slicedArr = arr.slice(1, 4);

console.log(slicedArr);

1. var numbers = [1, 2, 3, 4, 5];

var sum = 0;

numbers.forEach(function (num) {

sum += num;

});

console.log(sum);

1. var numbers = [1, 2, 3, 4, 5];

var squaredNumbers = numbers.map(function (num) {

return num \* num;

});

console.log(squaredNumbers);

1. var numbers = [1, 2, 3, 4, 5];

var evenNumbers = numbers.filter(function (num) {

return num % 2 === 0;

});

console.log(evenNumbers);

1. function outer() {

var x = 10;

function inner() {

console.log(x);

}

return inner;

}

var closureFunction = outer();

closureFunction();

1. var x = 5;

function outer() {

function inner() {

console.log(x);

}

var x = 10;

return inner;

}

var closureFunction = outer();

closureFunction();

1. function delayLog() {

for (var i = 1; i <= 5; i++) {

setTimeout(function () {

console.log(i);

}, 1000);

}

}

delayLog();

1. var x=12;

var y=8;

var res=eval("x+y");

console.log(res);

1. (function(a){

return (function(){

console.log(a);

a = 6;

})()

})(21);

1. function solve(arr, rotations){

if(rotations == 0) return arr;

for(let i = 0; i < rotations; i++) {

let element = arr.pop();

arr.unshift(element);

}

return arr;

}

console.log(solve([44, 1, 22, 111], 0));

1. <p id="example"></p>

<script>

function Func()

{

document.getElementById("example").innerHTML=Math.sqrt(81);

}

</script>

1. var a = 1;

var b = 0;

while (a <= 3)

{

a++;

b += a \* 2;

console.log(b);

}

1. var a = Math.max();

var b = Math.min();

console.log(a);

console.log(b);

1. var a = true + true + true \* 3;

console.log(a)

1. console.log(NaN === NaN);
2. console.log(typeof(NaN));
3. let sum = 0;

const a = [1, 2, 3];

a.forEach(getSum);

console.log(sum);

function getSum(ele) {

sum += ele;

}

1. a = [1, 2, 3, 4, 5];

console.log(a.slice(2, 4));

1. console.log(parseInt("123Hello"));

console.log(parseInt("Hello123"));

1. var a = "hello";

var sum = 0;

for(var i = 0; i < a.length; i++) {

sum += (a[i] - 'a');

}

console.log(sum);

1. const example = ( a, b, c ) => {

console.log(a, b, c);

};

example(0, 1, 2);

1. var x = new Set ([4,5,6,7 ])

x.add(8);

console.log(x);

x.add(5);

console.log(x);

1. a = 1

b ='saleel'

c = -1

function fn(...x) {

console.log(x)

}

fn(a, b, c)

1. var a = [34, 35, 45, 48, 49];

var b = [48, 55];

var x = [new Set([...a, ...b])];

console.log(x);

1. const x = new Set(['surat', 'saleel', 'baroda', '9850884228', 'surat']);

console.log(x.values());

1. const colors = ["red", "yellow", "blue"];

colors[2] = "purple";

console.log(colors);

1. const colors = ["red", "yellow", "blue"];

colors[5] = "purple";

colors.forEach((item, index) => {

console.log(index, item);

});

1. function fn1(book) {

book.title = "Redis";

book.cost = 1500;

book.total = book.cost + 1000;

};

const book = {

title: "Javascript",

author: "Saleel",

cost: 1200,

};

fn1(book);

console.log(book.title, book.cost, book.total);

**Answers**

1.  **“55”**

2. **10**

3. 10

4. **[2, 3, 4]**

5. **15**

6. **[1, 4, 9, 16, 25]**

7. **[2, 4]**

8. **10**

9. **10**

10. **6, 6, 6, 6, 6**

11. **20**

12. **21**

13. **[44, 1, 22, 111]**

14. **9**

15. **4, 10, 18**

16. **-Infinity Infinity**

17. **5**

18. **false**

19. **number**

20. **6**

21. **[3, 4]**

22. **123 NaN**

23. **NaN**

24. **0, 1, 2**

25. **Set(5) {4, 5, 6, 7, 8 }**

**Set(5) {4, 5, 6, 7, 8 }**

26. **[1, 'saleel', -1]**

27. **[ Set(6) { 34, 35, 45, 48, 49, 55 } ]**

28. **{ 'surat', 'saleel', 'baroda', '9850884228' }**

29. **[ 'red', 'yellow', 'purple' ]**

30. **0 red**

**1 yellow**

**2 blue**

**5 purple**

31. Redis 1500 2500