JavaScript Output based test - 2

March-24/ JS/002 Time: 02:00hrs

JavaScript

Diploma in Advance Computing

March 2024

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

1. const fn = (a, b, ...x) => {

console.log("Value of x is: ", x);

}

fn("Ruhan", "Saleel", "Sharmin", "Neel", "Nitish", "Monika");

1. let x = new Set([55,66,77])

fn = function(x) {

x.forEach(element => {

console.log(element)

});

}

fn([1, [2, 3], x]);

1. function fn1() {

console.log('Saleel');

}

function fn2() {

console.log('Sharmin');

}

var x = [fn1, fn2];

x[0]();

1. const arr = [function(x, y){

console.log(x + y);

}, function(x, y, ...z) {

console.log(x \* y \* z);

}];

arr[0](5, 2, 2);

1. a = [1, 2];

b = ['Saleel', 'Sharmin'];

x = [...a, ...b];

x.forEach(element => {

console.log(element);

});

1. const x = ['Orange', 'Kiwi', 'Banana', 'Apple', 'Grapes'];

var [a, b, ...c] = x

console.log(c.sort());

1. const x = ['Orange', 'Kiwi', 'Banana', 'Apple', 'Grapes'];

const fn = (y, z, ...a) => {

console.log(a[0]);

}

fn(...x);

1. var arr = new Array();

function fn1(x, y) {

console.log(x + y);

}

function fn2(x, y, z) {

console.log(x + y + z);

}

arr.push(fn1);

arr.push(fn2);

arr[0](6, 7, 8);

1. const arr = new Array((r) => r)

const r = ['Butter', 'Cheese', 'Bread']

console.log(arr[0]('Sharmin'));

1. let x = 10;

let y = '10';

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

1. const login = {

userName :'saleel',

password : "sharmin",

get loginDetails() {

if(this.userName == 'Saleel') {

return (this.userName + " " + this.password);

} else {

return "User not found";

}

}

}

console.log(login.loginDetails);

1. function data(para1) {

console.log (para1);

}

function add(num1, num2, x) {

let sum = num1 + num2;

x(sum);

}

add(5, 5, data);

1. const login = {

userName : "",

password : "",

set setUserName(user) {

this.userName = user;

},

set setPassworde(password) {

this.password = password;

},

get loginDetails() {

if (this.userName == 'Sharmin' && this.password == 'Sharmin') {

return (this.userName + " " + this.password);

} else {

return "Use not found";

}

}

}

login.setUserName = 'Sharmin';

login.setPassworde = 'Sharmin';

console.log(login.loginDetails)

1. x = 10;

y = "10"

if (x===y) {

console.log("good");

} else {

console.log("bad");

}

1. function order(orderID, orderDate, amount, discount) {

this.orderID = orderID;

this.orderDate = orderDate;

this.amount = amount;

this.discount = discount;

this.total = 0;

this.getOrder = function() {

if (this.amount >= 5000) {

return this.orderID + " " + orderDate + " " + amount + " " + discount + " " + (amount - discount);

} else{

return ("Invalid order amount...");

};

};

}

const orderOne = new order(1001, '05-12-2024', 6000, 500);

console.log(orderOne.getOrder());

1. const z = function sum(x, y) {

return x+y < 5000 ? true : false;

};

console.log(z(4, 7));

1. function fn1(x) {

return x%2 == 0 ? x : false;

}

console.log( [1,2,3,4,5,6,7,8,9].filter(fn1));

1. const names = ["saleel", "pankaj", "sharmin", "ruhan", "deep", "neel", "sangita" , "vrushali"];

console.log(names.filter((x) => { return x.length == 6}));

1. console.log(["saleel", "pankaj", "sharmin", "ruhan", "deep", "neel","sangita" ,"vrushali"].filter((x) => { return x.startsWith('s')}));
2. console.log([1, 2, 3, 4, NaN , 5].splice([1, 2, 3, 4, NaN ,5].length - 2));
3. console.log("4228".padStart(10,'\*'));
4. const bank = [{id : 1001,name :'BoI', city : 'Pune'}, {id : 1002, name :'SBI', city : 'Baroda'} ]

var [x] = [...bank]

console.log(x)

1. let a = {};

let b = { key: "b" };

let c = { key: "c" };

a[b] = 123;

a[c] = 456;

console.log(a[b]);

1. for (const key in 'saleel') {

console.log(key);

}

1. let a = {};

let b = {ename: "saleel", salary: 4500, job:"salesman"};

b["Month"]= 'July';

a = b;

console.log(a);

1. let a = {};

let obj = {ename: "saleel", salary: 4500, job:"salesman"};

obj["Month"] = 'July';

obj["comm"] = 250;

obj['isActive'] = true;

for (const key in obj) {

const elements = obj[key];

console.log(elements);

}

1. let a = {};

let obj1 = { userName: "saleel", password : 'iway'};

let obj2 = { userName: "sharmin", password : 'campus'};

a = [obj1, obj2];

for (let index = 0; index < a.length; index++) {

for (const key in a[index]) {

console.log(a[index][key]);

}

}

1. let x = 1;

if (x === 1) {

let x = 2;

console.log(x);

}

console.log(x);

1. console.log(x);

var x = 1000;

1. x = false;

var x;

console.log(x);

var x = true;

1. var x = 5;

var y;

console.log(x + y);

y = 7;

1. let fn1 = (a, b) => a \* b;

const y = fn1(8, 2);

console.log(y);

1. let fn1 = (x) => {

x.forEach(element => {

console.log(element%2);

});

}

const y = fn1([1, 2, 3, 4]);

1. let fn1 = () => console.log(typeof(this));

fn1();

1. const fn1 = () => console.log(typeof({}));

fn1();

1. const fn1 = () => console.log(typeof([]));

fn1();

1. const server = ['Windows10-Serever', 'UbuntuServer', 'LinuxServer-1', 'Windows11PROSerever-1', 'Windows11PROSerever-2', 'LinuxServer-2', 'KaliSerever-1', 'mySQLServer-2', "OracleServer-1"]

const activeServer = [0, 2, 5, 3];

const s = new Set()

activeServer.forEach((v, i) => {

server.forEach((value, index) => {

s.add((server[v]))

})

});

console.log(s);

**Answers**

1. Value of x is: ['Sharmin', 'Neel', 'Nitish', 'Monika']

2. 1

[2, 3]

Set(3) {55, 66, 77}

3. Saleel

4. 7

5. 1

2

Saleel

Sharmin

6. ['Apple', 'Banana', 'Grapes']

7. Banana

8. 13

9. Sharmin

10. true false

11. User not found

12. 10

13. Sharmin Sharmin

14. bad

15. 1001 05-12-2024 6000 500 5500

16. true

17. [2, 4, 6, 8]

18. [‘saleel’, ‘pankaj’]

19. [‘saleel’, 'sharmin', 'sangita']

20. [NaN, 5]

21. \*\*\*\*\*\*4228

22. {id: 1001, name: 'BoI', city: ‘Pune’}

23. 456

24. 0

1

2

3

4

5

25. {ename: 'saleel', salary: 4500, job: 'salesman', Month: 'July'}

26. saleel

4500

salesman

July

250

true

27. saleel

iway

sharmin

campus

28. 2

1

29. undefined

30. false

31. NaN

32. 16

33. 1

0

1

0

34. object

35. object

36. object

37. Set(4) {

'Windows10-Serever',

'LinuxServer-1',

'LinuxServer-2',

'Windows11PROSerever-1'

}