



## Backend Teamwork -1-

Clarusway



### Subject: JS Recap

#### Learning Goals

- Reviewing and remembering our basic JavaScript knowledge.

#### Introduction

- We will use the VSCode you are familiar with. But, it's ok to use any other you are familiar with..
- Lets refresh our knowledge on Js. Find the output of the js code blocks or write the code that does what is requested.

#### Questions

1. What is the output of the following code block?

```
console.log(0.1 + 0.2);  
console.log(0.1 + 0.2 == 0.3);
```

2. What is the output of the following code block?

```
console.log(1 < 2 < 3);  
console.log(3 > 2 > 1);
```

3. Write program to find the sum of positive numbers. But if the user enters a negative numbers, the loop ends, if the negative number entered is not added to sum

4. What is the output of the following code block?

```
null == undefined  
null === undefined  
isNaN(2 + null)  
isNaN(2 + undefined)  
null ? console.log("true") : console.log("false")
```

5. What is the output of the following code block?

```
var hash = "";  
var count = 1;  
var n = 3;  
for (var x = 1; x <= 7; x++) {  
  while (hash.length != count)  
    hash += "#";  
  hash += "\n";  
  count += n;  
  n++;  
}  
console.log(hash);
```

6. What is the output of the following code block?

```
let firstName = null  
let lastName = null  
let nickName = "coderBond"  
console.log(firstName ?? lastName ?? nickName ?? "Anonymous")
```

7. What is the output of the following code block?

```
function onZoom(x){
    console.log("Zoom active for", x)
}

function startClass(x,y,z){
    console.log(" Class starts at", x)
    y(z)
}

startClass("20:00",onZoom,"FS");
```

8. What is the output of the following code block?

```
console.log((function f(n){return ((n > 1) ? n * f(n-1) : n)})(5));
```

9. What is the output of the following code block?

```
(function () {
    try {
        throw new Error();
    } catch (x) {
        var x = 1, y = 2;
        console.log(x);
    }
    console.log(x);
    console.log(y);
})();
```

10. What is the output of the following code block?

```
let a = [10, 20, 30];
a[10] = 100;
console.log(a[6]);
let b = [undefined];
b[2] = 1;
console.log(b);
console.log(b.map(e => 99));
```

11. What is the output of the following code block?

```
function orderPizza(type, ingredients, callback) {
    console.log('Pizza ordered...');
    console.log('Pizza is for preparation');
```

```
    setTimeout(function () {  
        let msg = `Your ${type} ${ingredients} Pizza is ready! The total bill is $10`;  
        callback(msg);  
    }, 3000);  
}  
orderPizza('Vegeterian', 'Cheese', function(message){  
    console.log(message);  
});
```

12. What is the output of the following code block?

```
class Employee{  
    constructor(id,name){  
        this.id=id;  
        this.name=name;  
    }  
    detail(){  
        console.log(this.id+" "+this.name)  
    }  
}  
let e1=new Employee(10,"Qadir Adamson");  
let e2=new Employee("Victor Hug");  
let e3=new Employee(12)  
e1.detail();  
e2.detail();  
e3.detail();
```

13. What is the output of the following code block?

```
class Animal {  
    constructor(name, weight) {  
        this.name = name;  
        this.weight = weight;  
    }  
    eat() {  
        return `${this.name} is eating`;  
    }  
    sound(){  
        return `${this.name} is says`;  
    }  
}  
class Cat extends Animal {  
    constructor(name, weight) {  
        super(name, weight);  
    }  
    sound(){  
        return `${super.sound()} Meow!`;  
    }  
}
```

```
}  
  
let felix=new Cat("felix",5)  
console.log(felix.sound())
```

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😊 Thanks for Attending 🙌

Clarusway

