Clarusway

Backend
Workshop
-2-

Workshop

Subject:

- JS Recap

Learning Goals

- Reviewing and remembering our basic JavaScript knowledge.

Introduction

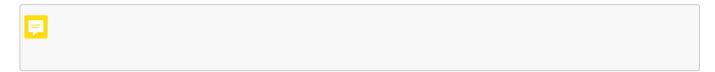- Let's refresh our knowledge on Js.

Prerequisites

We will use the VSCode you are familiar with. At the same time, we need to install Nodejs on our computer.

Lets start

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

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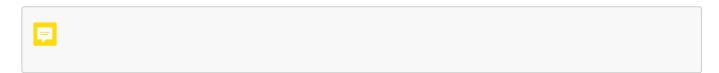
Answer:

2. What is the output of the following code block ?
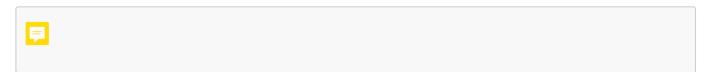
```
console.log(1 < 2 < 3);
console.log(3 > 2 > 1);
```

Answer:

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

Answer:

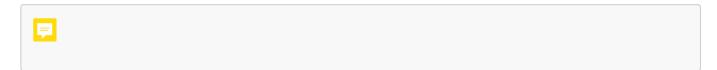**4. What is the output of the following code block ?**

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

Answer:

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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);
```
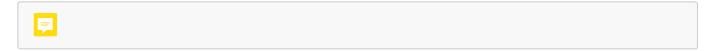
Answer:

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")
```

Answer:

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");
```
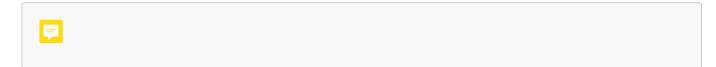
Answer:

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

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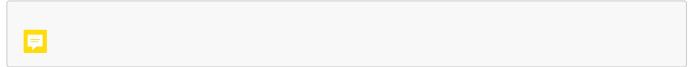
Answer:

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);
    })();
```

Answer:

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));
```

Answer:

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);
});
```

Answer:

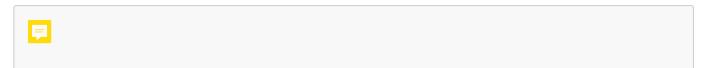## 12. What is the output of the following code block ?

```
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();
```
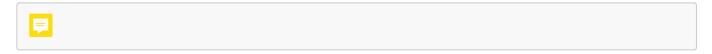
Answer:

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())
```

Answer:

☺ Thanks for Attending ✍

Clarusway