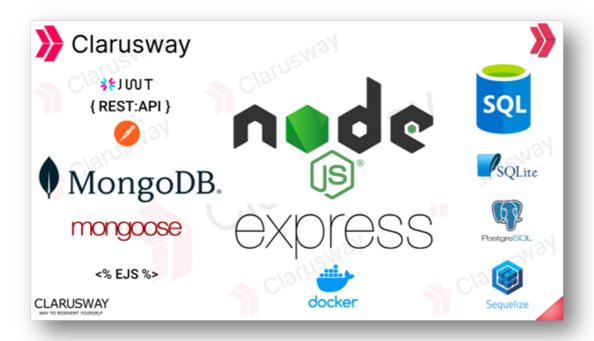
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Backend Workshop

-1-

Workshop

Subject:

• Introduction to Backend Development

Learning Goals

• Having general information about the backend.

Introduction

• As developers, we should also be able to express what we know. This study was prepared to support this purpose.

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 Backend Development ?
Answer:
2. What is skills a backend developer must have ?
Answer:
3. Why backend is important?
Answer:
4. Why learning backend coding is important?
Answer:

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Backend Teamwork

-1-

Teamwork

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.

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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:

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);</pre>
```

Answer:

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

```
let firstName = null
let lastName = null
let nickName = "coderBond"
console.log(firstName ?? lastName ?? "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(y);
    })();
```

Answer:

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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:

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