



UNIVERSIDAD AUTÓNOMA DE  
**CHIHUAHUA**

UNIVERSIDAD AUTÓNOMA DE CHIHUAHUA  
Facultad de Ingeniería



Ingeniería en Ciencias de la Computación

## **DESARROLLO DE BASES DE DATOS**

### **Tarea: Tutorial de javascript**

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Code

Run

Reset

Solution

```
1 console.log("Hello, World!");
2
```

Output

Expected Output

Hello, World!

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Code

Run

Reset

Solution

```
1 const myNumber=4;
2 const myString="Variables are great.";
3 const myBoolean=false;
4 console.log("myNumber is equal to " + myNumber);
5 console.log("myString is equal to " + myString);
6 console.log("myBoolean is equal to " + myBoolean);
```

Output

Expected Output

myNumber is not defined

Code

Run

Reset

Solution

```
1 // TODO: change myArray to contain the variables
2 var myArray = ["What is the meaning of life?", 42, true];
3 console.log(myArray[0]);
4 console.log(myArray[1]);
5 console.log(myArray[2]);
```

Output

Expected Output

What is the meaning of life?
42
true

Code

Run

Reset

Solution

```
1 var myArray = [true, "What is the meaning of life?"];
2 myArray.push(42);
3 myArray.shift();
4
5 console.log(myArray[0]);
6 console.log(myArray[1]);
```

Output

Expected Output

What is the meaning of life?
42

Code

Run

Reset

Solution

```
3 var myNumber = 21;
4
5 // TODO: change the following code
6 var fullName = firstName + " " + lastName;
7 var meaningOfLife = myNumber * 2;
8
9 console.log("The name is " + fullName);
10 console.log("The meaning of life is " + meaningOfLife);
```

Output

Expected Output

The name is John Smith
The meaning of life is 42

Code

Run

Reset

Solution

```
9 {
10     console.log("incorrect");
11 }
12 }
13
14 checkNumber(1);
15 checkNumber(1);
16 checkNumber(42);
```

Output

Expected Output

incorrect
incorrect
correct

Code

Run

Reset

Solution

```
1 var myArray = ["What is the meaning of life?", "The meaning of life is 42"]
2
3 //TODO: modify this code
4 for (var i = 0; i<myArray.length; i++)
5 {
6   console.log(myArray[i]);
7 }
```

Output

Expected Output

What is the meaning of life?  
The meaning of life is  
42

Code

Run

Reset

Solution

```
1 // TODO: change this code
2 var person = {
3   firstName : "Jack",
4   lastName  : "Smith",
5   age       : 19,
6   employed  : true
7 }
8
9 console.log(person.firstName);
10
```

Output

Expected Output

Jack  
Smith  
19  
true

Code

Run

Reset

Solution

```
1 // TODO: define the function multiplyFive here
2 var multiplyFive = function (number) {
3   return number * 5;
4 }
5 console.log(multiplyFive(3));
6 console.log(multiplyFive(4));
7 console.log(multiplyFive(5));
8 console.log(multiplyFive(6));
```

Output

Expected Output

15  
20  
25  
30

Code

Run

Reset

Solution

```
1 // Make your prompt box below!
2 var test = prompt("Type Hi!");
3 console.log(test);
```

Output

Expected Output

Hi!

www.learn-js.org says

Type Hi!

Hi!

OK

Cancel

Code

Run

Reset

Solution

```
2 {
3   callback(1);
4   callback(2);
5   callback(3);
6 }
7
8 function callback(sentence) {
9   // TODO: print out sentence
10  console.log(sentence);
11 }
```

Output

Expected Output

1  
2  
3

## Code

Run

Reset

Solution



## Output

```
1 // TODO: define the function divideByTwo here
2 const divideByTwo = number => number / 2;
3 console.log(divideByTwo(4));
4 console.log(divideByTwo(8));
5 console.log(divideByTwo(12));
6 console.log(divideByTwo(6));
```

```
2
4
6
3
```

## Code

Run

Reset

Solution



## Output

```
1 function upperCaseAsync(s) {
2   return new Promise((resolve, reject) => {
3     if (s === null) {
4       reject();
5     } else {
6       resolve(s.toUpperCase());
7     }
8   });
9 }
10
```

```
STEVE
No string received!
```

## Code

Run

Reset

Solution



## Output

```
3 }
4
5 async function uppercaseString(s) {
6   await sleep(500);
7   return s.toUpperCase();
8 }
9
10 uppercaseString("edward").then(console.log);
```

```
EDWARD
```

Code

Run

Reset

Solution

⌵

```
1 // TODO: create the Person class using a function
2 var Person = function(name, age){
3     this.name=name;
4     this.age=age;
5     this.describe = function(){
6         return this.name + ", " + this.age + " years old";
7     }
8 }
9 var jack = new Person("Jack", 25);
10
```

Output

Jack, 25 years old  
Jill, 24 years old

Code

Run

Reset

Solution

⌵

```
16
17 // TODO: create bound copies of printFullName and printDetails.
18 var boundPrintFullName = printFullName.bind(person);
19 var boundPrintDetails = printDetails.bind(person);
20
21 boundPrintFullName();
22 boundPrintDetails();
```

Output

John Smith  
John is 23 years old

Code

Run

Reset

Solution

⌵

```
7 }
8
9 // TODO: create the class Teacher and a method teach
10 var Teacher = function() {
11     this.teach = function(subject){
12         console.log(this.name + " is now teaching " + subject);
13     }
14 }
15 Teacher.prototype = new Person();
16 var him = new Teacher();
```

Output

Adam is now teaching Inheritance

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Code

Run

Reset

Solution

⌵

```
16 };
17
18 const numbers = ['2', '3', '4'];
19 |
20 let { body: { legs: myLegs } } = person;
21 let [, , thirdPosition] = numbers;
22
23 console.log(myLegs);
24 console.log(thirdPosition);
```

Output

x  
4

# Data Structures

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This section does not exist yet.