

1=> Explain what a *callback* function is and provide a simple example

2=> Given a string, reverse each word in the sentence

Problem

Welcome to this Javascript Guide! should be become emocleW ot siht tpircsavaJ !ediuG

3=> How to check if an object is an array or not? Provide some code.

4=> How to empty an array in JavaScript?

Problem

```
var arrayList = ['a', 'b', 'c', 'd', 'e', 'f'];
```

How could we empty the array above?

5=> How would you check if a number is an integer?

6=> Implement enqueue and dequeue using only two stacks

7=> Make this work

Problem

```
duplicate([1, 2, 3, 4, 5]); // [1,2,3,4,5,1,2,3,4,5]
```

8=> Write a "mul" function which will properly when invoked as below syntax

Problem

```
console.log(mul(2)(3)(4)); // output : 24
```

```
console.log(mul(4)(3)(4)); // output : 48
```

9=> Write a function that would allow you to do this?

Problem

```
var addSix = createBase(6);
```

```
addSix(10); // returns 16
```

```
addSix(21); // returns 27
```

10=> FizzBuzz Challenge

Problem

Create a for loop that iterates up to **100** while outputting **"fizz"** at multiples of **3**, **"buzz"** at multiples of **5** and **"fizzbuzz"** at multiples of **3** and **5**.

11=> How would you use a closure to create a private counter?

12=> What will be the output of the following code?

Problem

```
var y = 1;
if (function f() {}) {
  y += typeof f;
}
console.log(y);
```

13=>What will the following code output?

Problem

```
(function() {
  var a = b = 5;
})();

console.log(b);
```

14=> Write a function that would allow you to do this

Problem

```
multiply(5)(6);
```

15=> How does the **this** keyword work? Provide some code examples

16=> How would you create a private variable in JavaScript?

17=> What will be the output of the following code?

Problem

```
var output = (function(x) {
  delete x;
  return x;
})(0);
```

```
console.log(output);
```

18=> What will be the output of the following code?

Problem

```
var Employee = {  
  company: 'xyz'  
}  
var emp1 = Object.create(Employee);  
delete emp1.company  
console.log(emp1.company);
```

20=> What will the following code output?

Problem

```
0.1 + 0.2 === 0.3
```

21=> When would you use the **bind** function?

22=> Write a recursive function that performs a binary search