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