

JavaScript Question Bank

General Questions

1 How would you check if a number is an integer?

Answer:

Using the === operator (string equality operator)

```
if (data === parseInt(data, 10))  
    alert("data is integer")
```

2 What will the following code output?

Answer:

Output : 5

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

3 Write a function that would allow you to do this.

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

Answer :

```
function multiply(a) {  
    return multiply(b) {  
        return (b * a);  
    };  
}  
  
console.log(multiply(5)(6));
```

4When would you use the `bind` function?

The value of 'this' is determined dynamically and to control what 'this' refers to, we use the bind function. `.bind` allows you to set value to 'this' value.

5What does "`use strict`" do?

"use strict" is to indicate that the code is to be executed in "strict mode". In strict mode, "bad syntax" turns into real errors.

6What is the difference between `==` and `===`?

Lose equality (`==`) checks for equality in values and strict equality (`===`) checks for equality in both type and the value.

7How would you add your own method to the Array object so the following code would work?

```
var arr = [1, 2, 3, 4, 5];
var avg = arr.average();
console.log(avg);
```

8Explain what a callback function is and provide a simple example.

A callback function is a function which gets executed after another function. In JS, functions can be passed as arguments. Any function that is passed as an argument is called a callback function.

```
funcnt printANumber(int number, funcnt callbackFunction) {
    printout("The number you provided is: " + number);
}

// a callback function
funcnt printFinishMessage() {
    printout("I have finished printing numbers.");
}

funcnt main() {
    printANumber(6, printFinishMessage);
}
```

9What will the following code output?

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

Output : False

10How would you create a private variable in JavaScript?

Only what we export is visible to the client calling code.

```
const getNameWithInitial = function () {  
    let initial = this._gender === 'male' ?  
        'Mr. ':  
        'Mrs. ';  
    return initial + this._name;  
}
```

Noe getNameWithInitial is private as it is not exported.

11. What does the following code output:

```
const arr = [10, 12, 15, 21];  
for (var i = 0; i < arr.length; i++) {  
    setTimeout(function() {  
        console.log('Index: ' + i + ', element: ' + arr[i]);  
    }, 3000);}
```

Output : Index: 4, element: undefined