

10 common JavaScript interview questions

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

2What will the following code output?

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

```
console.log(b);
```

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

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

4When would you use the bind function?

5What does "use strict" do?

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

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.

9What will the following code output?

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

10How would you create a private variable in JavaScript?

— —

1What will the following code output?

```
for (var i = 0; i < 3; i++) {  
  setTimeout(function() { alert(i); }, 1000 + i);  
}
```

2Write a function that would allow you to do this.

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

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

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

3How would you use a closure to create a private counter?

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Bubbl sort program:

```
function swap(arr, i1, i2) {  
  var temp = arr[i1];  
  arr[i1] = arr[i2];  
  arr[i2] = temp;  
}
```

```
function bubblesort(arr) {
```

```
var swapped = true;

// keep going unless no elements can be swapped anymore
while (swapped) {

    // set swapped to false so that the loop stops
    // unless two element are actually swapped
    swapped = false;

    // loop through the whole array swapping adjacent elements
    for (var i = 1; i < arr.length; i++) {
        if (arr[i-1] > arr[i]) {
            swap(arr, i-1, i);
            swapped = true;
        }
    }
}

return arr;
}

bubblesort([103, 45, 2, 1, 97, -4, 67]);
```