SHEKHOBABA.COM

Essential

JS CODING INTERVIEW QUESTIONS

Burhan Tahir

@iamshekhobaba

REVERSE A STRING

Question: Write a function to reverse a string?

Ans:

```
function reverseString(str) {
    return str.split('').reverse().join('');
}

console.log(reverseString("hello")); // Output: "olleh"
```

Burhan Tahir
@iamshekhobaba

CHECK IF A STRING IS A PALINDROME

Question: Write a function to check if a string is a palindrome (reads the same backward as forward)?

Ans:

```
function isPalindrome(str) {
    const reversed = str.split('').reverse().join('');
    return str === reversed;
}

console.log(isPalindrome("racecar"));
console.log(isPalindrome("hello"));
```

Burhan Tahir

@iamshekhobaba

FIZZBUZZ

Question: Write a function that prints numbers from 1 to 100. For multiples of 3, print "Fizz" instead of the number, and for multiples of 5, print "Buzz". For numbers that are multiples of both 3 and 5, print "FizzBuzz".

Ans:

```javascript
function fizzBuzz() {
    for (let i = 1; i ≤ 100; i++) {
        if (i % 3 === 0 && i % 5 === 0) {
            console.log("FizzBuzz");
        } else if (i % 3 === 0) {
            console.log("Fizz");
        } else if (i % 5 === 0) {
            console.log("Buzz");
        } else {
            console.log(i);
        }
    }
}

fizzBuzz();
```

Burhan Tahir

@iamshekhobaba

FIND THE FIRST NON-REPEATED CHARACTER

Question: Write a function to find the first non-repeated character in a string?

Ans:

```
function firstNonRepeatedChar(str) {
    const charCount = {};

    for (let char of str) {
        charCount[char] = (charCount[char] || 0) + 1;
    }

    for (let char of str) {
        if (charCount[char] === 1) {
            return char;
        }
    }

    return null; // If all characters are repeated
}

console.log(firstNonRepeatedChar("aabccdb"));
```

Burhan Tahir

@iamshekhobaba

REMOVE DUPLICATES FROM AN ARRAY

Question: Write a function to remove duplicates from an array?

Ans:

```
function removeDuplicates(arr) {
    const uniqueArray = [];

    for (let i = 0; i < arr.length; i++) {
        if (!uniqueArray.includes(arr[i])) {
            uniqueArray.push(arr[i]);
        }
    }

    return uniqueArray;
}

console.log(removeDuplicates([1, 2, 3, 4, 4, 3, 2, 1]));
```

Burhan Tahir

@iamshekhobaba

CHECK IF TWO STRINGS ARE ANAGRAMS

Question: Write a function to check if two strings are anagrams (contain the same characters with the same frequency).?

Ans:

```
function areAnagrams(str1, str2) {

    str1 = str1.toLowerCase();
    str2 = str2.toLowerCase();


    str1 = str1.split('').sort().join('');
    str2 = str2.split('').sort().join('');

    return str1 === str2;
}

console.log(areAnagrams("listen", "silent"));
console.log(areAnagrams("hello", "world"));
```

Burhan Tahir

@iamshekhobaba

FIND THE INTERSECTION OF TWO ARRAYS

Question: Write a function to find the intersection of two arrays (elements that appear in both arrays).?

Ans:

```
function arrayIntersection(arr1, arr2) {

    const intersection = [];

    for (let i = 0; i < arr1.length; i++) {

        if (arr2.includes(arr1[i])) {

            intersection.push(arr1[i]);
        }
    }
    return intersection;
}

console.log(arrayIntersection([1, 2, 3], [2, 3, 4]));
```

Burhan Tahir

@iamshekhobaba

SHEKHOBABA.COM

DO YOU WANT MOBILE APP OR WEBSITE FOR YOUR BUSINESS?

FOLLOW ME

FOLLOW ME