



Essential

JS CODING INTERVIEW QUESTIONS



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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"
```



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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"));
```



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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".

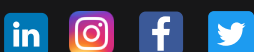
Ans:

```
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();
```



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FIND THE FIRST NON-REPEATED CHARACTER

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

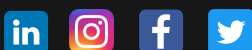
Ans:

```
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"));
```



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REMOVE DUPLICATES FROM AN ARRAY

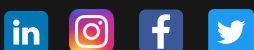
Question: Write a function to remove duplicates from an array?

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]));
```



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CHECK IF TWO STRINGS ARE ANAGRAMS

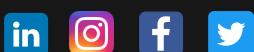
Question: Write a function to check if two strings are anagrams (contain the same characters with the same frequency).?

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"));
```



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FIND THE INTERSECTION OF TWO ARRAYS

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

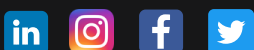
Ans:

```
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]));
```



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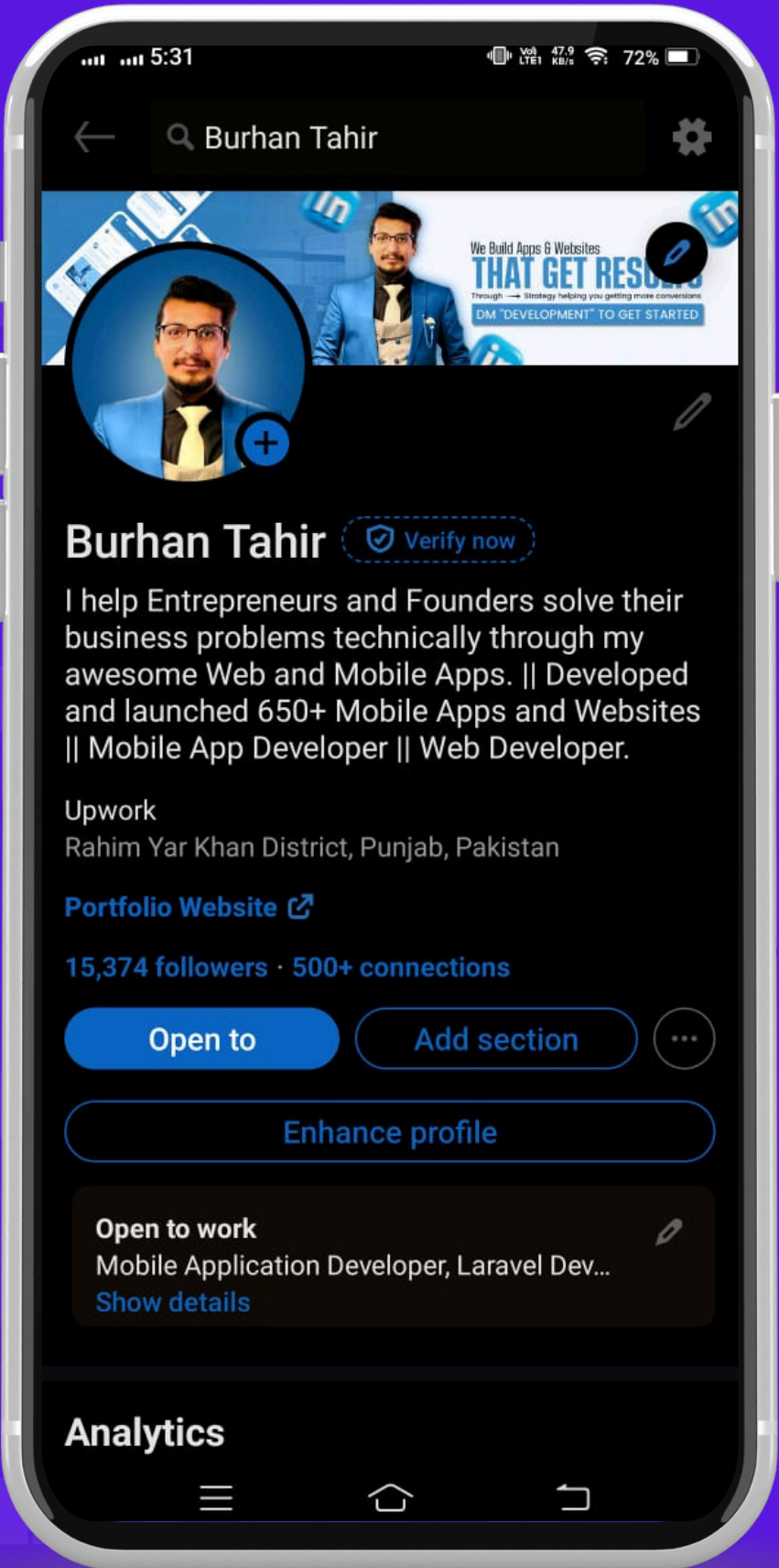
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