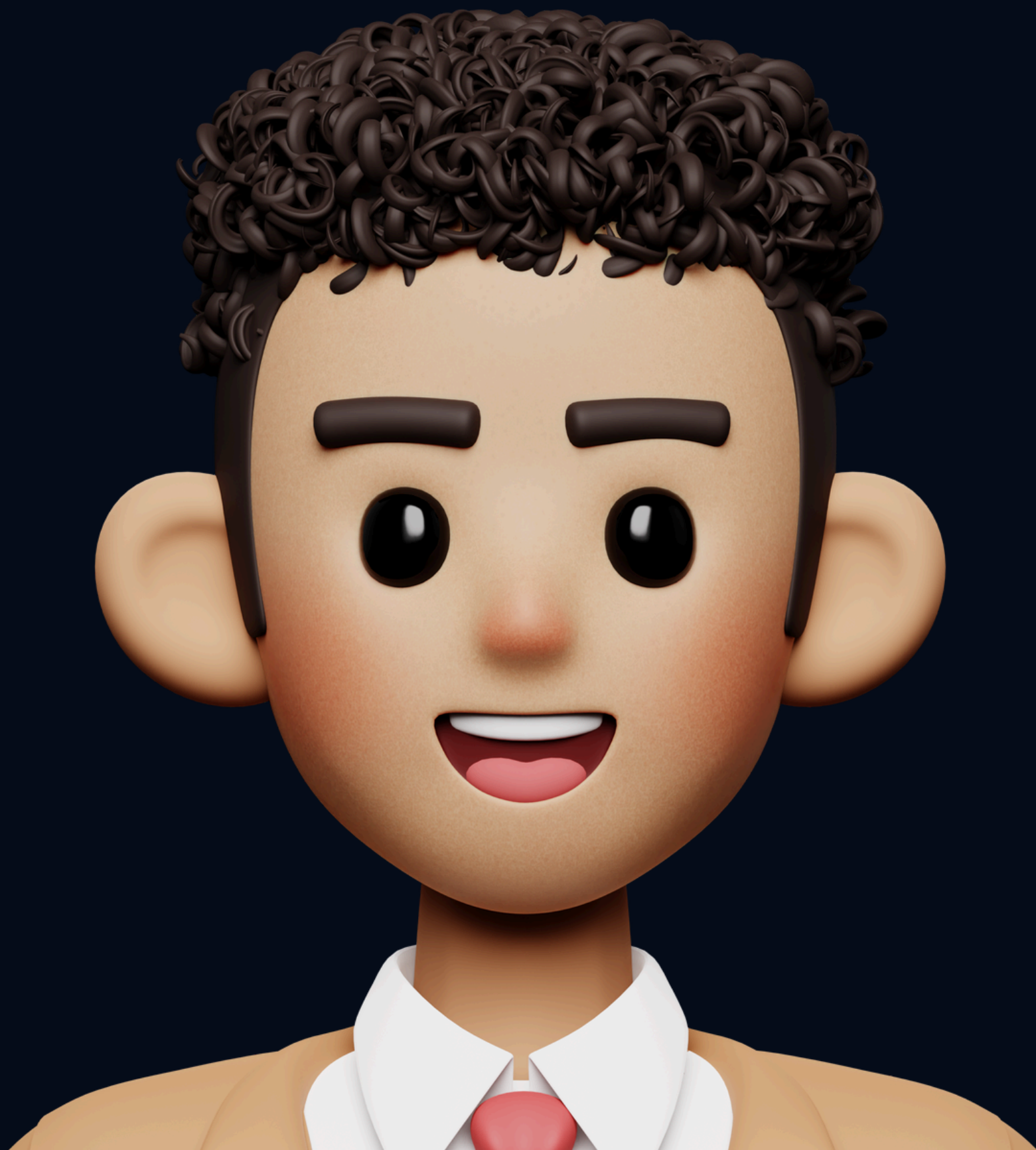


Coding Questions **STRING**



1. Write a function to **reverse** a given string



```
function reverseString(str) {  
    return str.split('').reverse().join('');  
}  
  
console.log(reverseString("hello")); // Output: "olleh"
```



2. Write a function to check if a String is a **Palindrome**



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

// Example usage:

```
console.log(isPalindrome("racecar")); // Output: true  
console.log(isPalindrome("hello"));  // Output: false
```



3. Count the Number of **Vowels** in a String

```
function countVowels(str) {  
  const vowels = 'aeiouAEIOU';  
  let count = 0;  
  for (let char of str) {  
    if (vowels.includes(char)) {  
      count++;  
    }  
  }  
  return count;  
}  
  
console.log(countVowels("hello world")); // Output: 3
```



4. Find the **Longest Word** in a String



```
function findLongestWord(str) {  
  const words = str.split(' ');  
  let longest = 0;  
  for (let word of words) {  
    if (word.length > longest) {  
      longest = word.length;  
    }  
  }  
  return longest;  
}  
  
console.log(findLongestWord("The quick brown fox jumps  
over the lazy dog")); // Output: 5
```



5. **Capitalize** the First Letter of Each Word



```
function capitalizeFirstLetter(str) {  
  return str.split(' ').map(word =>  
word.charAt(0).toUpperCase() + word.slice(1)).join(' ');  
}
```

```
console.log(capitalizeFirstLetter("hello world")); //  
Output: "Hello World"
```



6. Repeat a String a Given Number of Times



```
function repeatString(str, num) {  
  if (num < 0) return '';  
  return str.repeat(num);  
}
```

```
console.log(repeatString("abc", 3)); // Output:  
"abccabccabcc"
```



7. Remove **Duplicate** Characters from a String



```
function removeDuplicates(str) {  
    return [...new Set(str)].join('');  
}  
  
console.log(removeDuplicates("aabbcc"));  
// Output: "abc"
```





FOLLOW