

Classroom Assignment: Strings in JS

Learning Objective:

Understand how to reverse a string and check for palindromes in JavaScript by manipulating strings and using conditional logic.

Expected Completion Time:

Best Case: 15 minutes

Average Case: 20 minutes

Assignment Details:

Create a JavaScript function that accepts a string, reverses it, and checks if the reversed string is a palindrome, then test your function with various strings and print the results.

Assignment Requirements:

Write a function to reverse the string.

1. Convert the input into characters
2. Loop them in reverse direction
3. Concatenate the string
4. Print the new string

Write a function to check the given string is a palindrome

[If the given string and reverse string are the same, it is a palindrome]

1. Check if the reverse string and original string are the same
2. Return true if same, else the false.

Hints to Solve:

1. Split string into characters using ``split("")``.
2. Iterate backward through characters to build reversed string.
3. Use strict equality to compare original and reversed strings for palindrome check.

Expected Outcome:

Upon completion, you should be able to:

- Understand the string manipulations in JavaScript