

Classroom Assignment: Strings in JavaScript

Learning Objective:

Learn to reverse a string and check if it's a palindrome using loops and conditional statements.

Expected Completion Time:

Best Case: 15 mins

Average Case: 20 mins

Assignment Details:

Write a JavaScript program that takes a word, reverses it, and checks if it reads the same backward.

Assignment Requirements:

1. Create a variable `originalWord` (example: "madam").
2. Convert it to characters using `split("")`.
3. Use a **for loop** from end to start to reverse and store the string in `reversedWord`.
4. Print the reversed word using `console.log()`.
5. Use an **if** statement to compare both words.
6. Print "It's a palindrome!" if they match, else print "Not a palindrome!".

Hints:

Use `switch(true)` for range checks.

Use `if (originalWord === reversedWord)` for comparison.

Try with words like "level" or "hello".

Expected Outcome:

You should be able to reverse strings and identify palindromes using loops and conditions in JavaScript.