**Problem Statement:**

Find the First Non-Repeating Character

Write a program to find the first non-repeating character in a string.

For input "swiss", the output should be "w". You cannot use any built-in string or character frequency counting functions.

Instructions: Implement manual string traversal and counting logic to solve the problem.

**Java Script Code:**

function findFirstUniqueChar(inputString) {

let charFrequency = {}; // Object to track frequency of characters

let stringLength = inputString.length;

// First Thing: Calculate character frequencies

for (let i = 0; i < stringLength; i++) {

let currentChar = inputString[i];

if (charFrequency[currentChar] !== undefined) {

charFrequency[currentChar] += 1;

} else {

charFrequency[currentChar] = 1;

}

}

// Second Thing: Identify the first unique character

for (let i = 0; i < stringLength; i++) {

let currentChar = inputString[i];

if (charFrequency[currentChar] === 1) {

return currentChar; // Return the first unique character

}

}

return null; // Return null if no unique character is found

}

console.log(findFirstUniqueChar("swiss"));

console.log(findFirstUniqueChar("apple"));

console.log (findFirstUniqueChar("aabbc"));

**Outputs:**

**1. w**

**2. a**

**3. c**