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.

Answer:-

Solution 1:

```java
public class removeChar { // class

    static String string = "swiss";

    public static void main(String[] args) { // main function

        char[] charArr = string.toCharArray(); // Character array

        for (int i = 0; charArr.length > i; i++) {
            int count = 0;
            for (int j = 0; charArr.length > j; j++) {
                if (charArr[i] == charArr[j]) {
                    count++;
                }
            }
            if (count == 1) {
                System.out.println("First Non Repeating Character is: " + charArr[i]);
                break;
            }
        }

    }
}
```

Solution 2:

```java
// public class removeChar {

// public static void nonRepeatingChar(String word) {

// StringBuilder ab = new StringBuilder();

// for (Character ch : word.toCharArray()) {

// if (word.indexOf(ch) == word.lastIndexOf(ch)) {

// System.out.println("First non repeat character = " + ch);

// break;

// }

// }

// }


// public static void main(String[] args) {

// String word = "swiss";

// nonRepeatingChar(word);

// }

// }
```