import java.util.HashMap;

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public class FirstUniqueCharacter {

public static int firstUniqChar(String s) {

Map<Character, Integer> charCounts = new HashMap<>();

for (char c : s.toCharArray()) {

charCounts.put(c, charCounts.getOrDefault(c, 0) + 1);

}

for (int i = 0; i < s.length(); i++) {

if (charCounts.get(s.charAt(i)) == 1) {

return i;

}

}

return -1;

}

public static void main(String[] args) {

String s1 = "leetcode";

System.out.println(firstUniqChar(s1)); // Output: 0

String s2 = "loveleetcode";

System.out.println(firstUniqChar(s2)); // Output: 2

String s3 = "aabb";

System.out.println(firstUniqChar(s3)); // Output: -1

}

}