Write a program to print all the unique characters in a String. For instance, if the input string is “abcb”, the output will be the characters ‘a’ and ‘c’ as they are unique. The character ‘b’ repeats twice and so it will not be printed.

CODE:

import java.util.HashMap;

public class UniqueCharacters {

public static void main(String[] args) {

String inputString = "abcb";

// Create a HashMap to store characters and their frequencies

HashMap<Character, Integer> charFrequencyMap = new HashMap<>();

// Count the frequency of each character in the input string

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

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

}

// Print unique characters

System.out.print("Unique characters in the string: ");

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

if (charFrequencyMap.get(c) == 1) {

System.out.print("'" + c + "' ");

}

}

}

}

OUTPUT:

C:\javap>javac UniqueCharacters.java

C:\javap>java UniqueCharacters

Unique characters in the string: 'a' 'c'

