Hash Set unique s check if present or not

```
1 import java.util.*;
 2 import java.util.HashSet;
    public class Main
 4 - {
        public static void main(String[] args) {
            //ArrayList<Integer> arr = new ArrayList<>();
            HashSet<Integer> hs = new HashSet<>();
            hs.add(10);
            hs.add(20);
            hs.add(30);
            hs.add(10);
            hs.remove(10);
            hs.add(90);
                  n.out.println(hs.size());
                  n.out.println(hs);
                  n.out.println(hs.contains(80));
                  n.out.println(hs.contains(20));
       3
22 }
```

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Unique Number of Occurrences

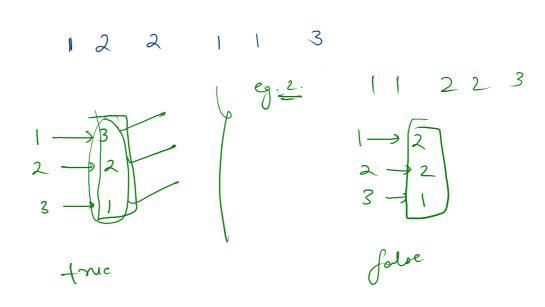
Take an array of integers **arr** as input from user and print "true" if the number of **occurrences** of each value in the <u>array is unique</u>, else <u>print</u> "false".

Sample Input 0

6 1 2 2 1 1 3

Sample Output 0

true

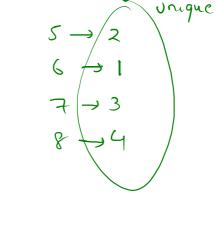


1 2 2 3 3 3

2 3

truc

5 5 6 7 7 7 8 8 8 8 8 √alue, óalue, óalue,



9.
$$5 \rightarrow 7 \rightarrow 7 \quad 888856$$

8 tep 1. $\rightarrow freq.map.$ (freq)

 $5 \rightarrow 2$
 $7 \rightarrow 3$
 $8 \rightarrow 4$
 $4 \rightarrow 3$

hs. size () = 4

6 -> 1

step 2. → put all values in hashset.

$$5 5 6 777 8888 99$$

$$5 \rightarrow 2$$

$$6 \rightarrow 1$$

$$5 \rightarrow 2$$

$$6 \rightarrow 1$$

$$5 \rightarrow 2$$

$$6 \rightarrow 1$$

put all values in harhret.

hs. cize ()=4

8-14

9 -> 2

```
public static void main(String[] args) {
 5 -
           //ArrayList<Integer> arr = new ArrayList<>();
           HashMap<Integer, Integer> hm = new HashMap<>();
            hm.put(10, 500);
           hm.put(20, 324);
           hm.put(30, 784);
           hm.put(40, 473);
11
           hm.put(50, 112);
           hm.put(70, 112);
           System.out.println(hm.keySet());
           HashSet<Integer> allVal = new HashSet<>(hm.values());
          for(int key : hm.keySet()){
               //System.out.println(key + " -- > " + hm.get(key));
               allVal.add( hm.get(key));
           System.out.print(allVal);
```

```
1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
 6
      public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
           int n = scn.nextInt();
 8
 9
          HashMap<Integer, Integer> hm = new HashMap<>();
10
                                                            //freq map
11
          //Step 1: make freq map
12
          for(int i = 0; i < n; i++){
               int x = scn.nextInt();
13
               if(hm.containsKey(x)){
14
                   int oldVal = hm.get(x);
15
                   hm.put(x, oldVal + 1);
16
17
               }else{
18
                   hm.put(x, 1);
19
20
          //Step 2: add all values to hs
21
          HashSet<Integer> hs = new HashSet<>(hm.values());
23
          //Step 3: compare result
24
           System.out.println(hm.size() == hs.size());
25
26
27
      }
28 }
```

Valid Anagram 5

Given two strings s and t, return true if t is an anagram of s, and false otherwise. An Anagram is a word or phrase formed by rearranging the letters of a different word or phrase, typically using all the original letters over the one.

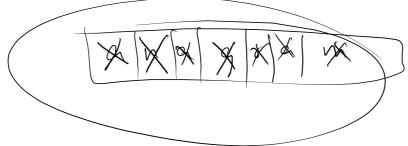
Sample Input 0

anagram nagaram

Sample Output 0

true





false { + 5 ghydym

&.len of tolen

Ja my syn

s
$$\rightarrow$$
 and gram

 $f: \text{equals}(f^2)$
 $f: \text{equals}$

abbbccd

odbbbccd

odbbbccd

odbbbccd

odbbbccd

```
1 vimport java.io.∗;
   import java.util.*;
 3
4 ▼public class Solution {
        public static HashMap<Character, Integer> getFreqMap(String x){
 5
            HashMap<Character, Integer> hm = new HashMap<>();
6
7 -
            for(int i = 0; i < x.length(); i++){
                char ch = x.charAt(i);
8
                if(hm.containsKey(ch)){
9 🔻
10
                    hm.put(ch, hm.get(ch) + 1);
11 ▼
                }else{
12
                    hm.put(ch, 1);
13
14
15
            return hm;
16
17 ▼
        public static void main(String[] args) {
18
            Scanner scn = new Scanner(System.in);
            String s = scn.next();
19
            String t = scn.next();
21
22 7
            if(s.length() != t.length()){
23
                System.out.println(false);
24 ▼
           }else{
25
                HashMap<Character, Integer> f1 = getFreqMap(s);
                HashMap<Character, Integer> f2 = getFreqMap(t);
26
27
                System.out.println(f1.equals(f2));
28
29
        }
```

30 }

8→ ana gram 3 g M

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