Two Sum Using Hashmap n=4 966-[2,7,11,15] sc=new Scanner (System.in), int n=sc.nextIn(); int t= sc-nextInt(), int arrij-new int[n]; for (int i=0; (<n; i+t) } arrtiz-sc-nextInt(); To 1 2 3 1 15 J, target = 9 diff = 9-2 = T hm. put (7,6). for lint i=0; i < arr.length; it) valuereg= target-arreij; 119-2-7

hm. put (valuereg, i);

if (hm. contain Cey (arr(i)))

int index = hm. get (arr(i));

S-o.Pln(i+" "+index);

hvert. break; 

```
1 *import java.io.*;
2 import java.util.*;
4 *public class Solution {
            public static void main(String[] args) {
    /* Enter your code here. Read input from STDIN. P
    Scanner sc = new Scanner(System.in);
    int n = sc.nextInt();
    int t = sc.nextInt();
    int arr[] = new int[n];
    for(int i=0;in;i++){
        arr[i] = sc.nextInt();
    }
}
 8
 9
0
1 v
2 v
3 v
 4
                   HashMap<Integer, Integer> hm = new HashMap<>();
for(int i=0;i<n;i++){
                              int valuereq = t-arr[i];
 8
9 +
                             if(hm.containsKey(arr[i])){
                                     int index = hm.get(arr[i]);
System.out.println(index+" "+i);
0 *
1
2
3
4
5
6
7
                                      break;
                               hm.put(valuereq,i);
```

Valid Anagram

5 : "anagram" t : "nagaram"

S->hm1 > a->3 n>1 g->1 r>1 m>1 t > h = 2 > h > 1 q > 3 q > 1 q > 1 q > 1 q > 1 q > 1

1. It should be of same length 2. Create hashmap for first strong and store its frequency.

3. Create hashmap for second string and store its frequency.

4. Compare if both hashmap are some return true, otherwise return Jalse,

```
4 public class Solution {
 6 7
            public static void main(String[] args) {
   /* Enter your code here. Read input from STDIN. Print output i
   Scanner sc = new Scanner(System.in);
 8
9
10
                   String s = sc.next();
String t = sc.next();
                   HashMap<Character,Integer> shm = new HashMap<>();
HashMap<Character,Integer> thm = new HashMap<>();
if(s.length()!=t.length()){
    System.out.println("false");
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                          return;
                    for(int i=0;i<s.length();i++){</pre>
                          if(shm.get(s.charAt(i))==null){
    shm.put(s.charAt(i),1);
                                 shm.put(s.charAt(i),shm.get(s.charAt(i))+1);
                          }
                   for(int i=0;i<t.length();i++){
   if(thm.get(t.charAt(i))==null){</pre>
                                thm.put(t.charAt(i),1);
                          }else{
                                  thm.put(t.charAt(i),thm.get(t.charAt(i))+1);
                          }
                   }
if(shm.equals(thm)){
    System.out.println("true");
                          System.out.println("false");
           }
38 }
```

Longest Substring Wiffout Repeating Character

01234567 1, "abcalcbb De will solve this by using sliding max length=3  $\begin{array}{c} 0.73 \\ 0.72 \\ 0.$ ]bc6[6] if (hm. containskey (s. charAtli)) {
start: hm.get(s. charAtli))+1;