

No.1 In Java Training & placement

### Problem8.java package com.jlcindia.strings; \* @Author: Srinivas Dande \* @Company: Java Learning Center //P8-IsSubSequence public class Problem8 { static boolean isSubsequence(String main,String sub) { int m= main.length(); int n= sub.length(); if(m < n)return false; int i = 0; int j=0;while(i<m && j<n) { if(main.charAt(i)==sub.charAt(j)) { j++; i++; return (j==n); public static void main(String[] args) { String main = "srinivas"; String sub = "snvs";

boolean b= isSubsequence(main,sub);

System.out.println(b);

//Time Complexity - O(n)
// Space Complexity - O(1)



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#### Problem9.java package com.jlcindia.strings; \* @Author : Srinivas Dande \* @Company: Java Learning Center //P9- Remove Duplicate Characters public class Problem9 { static String removeDuplicates(String str) { int n= str.length(); int count[] = new int[26]; for(int i=0;i<n;i++) { count[str.charAt(i)-97]++; } StringBuffer sb= new StringBuffer(); for(int i=0;i<count.length;i++) {</pre> if(count[i]!=0) { char ch = (char)(i+97);sb.append(ch); } } return sb.toString(); } public static void main(String[] args) { String str = "bacacdbac"; String mystr= removeDuplicates(str); System.out.println(mystr); } //Time Complexity => O(n)

// Space Complexity => O(1)



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## Problem10.java package com.jlcindia.strings; \* @Author : Srinivas Dande \* @Company: Java Learning Center \*\*/ //P10- Reverse the Vowels of String public class Problem10 { public boolean isVowel(char ch) { boolean b = ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' || ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' || ch == 'U'; return b: } public String reverseVowels(String str) { char chArr[] = str.toCharArray(); int n= chArr.length; int start = 0; int end = n-1; while(start<end) {</pre> while(start<n && !isVowel(chArr[start])) {</pre> start++; } while(end>=0 && !isVowel(chArr[end])) { end--; }



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if(start<end) {</pre>
                   char temp = chArr[start];
                   chArr[start] = chArr[end];
                   chArr[end] = temp;
                   start++;
                   end--;
             }
             String resStr= new String(chArr);
             return resStr;
      }
      public static void main(String[] args) {
             String str = "srinivaas";
             String mystr = reverseVowels(str);
             System.out.println(mystr);
      }
//Time Complexity - O(n)
// Space Complexity - O(n)
```