# Q1. <https://leetcode.com/problems/find-common-characters/>

## Solution:

import java.util.ArrayList;  
import java.util.List;  
  
*/\*\*  
 \* @author pranoy.chakraborty  
 \* @Date 05/06/2023  
 \*/*public class FindCommonCharacters {  
 public static void main(String[] args) {  
 System.*out*.println(*commonStrings*(new String[]{"bella", "label", "roller"}));  
 }  
  
 public static List<String> commonStrings(String[] words) {  
 List<String> res = new ArrayList<>();  
 String temp = words[0];  
 for (int i = 1; i < words.length; i++) {  
 temp = *getCommonString*(temp, words[i]);  
 if (temp.length() == 0) return res;  
 }  
 char[] arr = temp.toCharArray();  
 for (char c : arr) {  
 res.add(String.*valueOf*(c));  
 }  
 return res;  
 }  
  
 public static String getCommonString(String a, String b) {  
 int[] arr1 = new int[26];  
 int[] arr2 = new int[26];  
 for (char c : a.toCharArray()) {  
 arr1[c - 'a']++;  
 }  
 for (char c : b.toCharArray()) {  
 arr2[c - 'a']++;  
 }  
 StringBuilder sb = new StringBuilder();  
 for (int i = 0; i < 26; i++) {  
 if (arr1[i] != 0 && arr2[i] != 0) {  
 for (int j = 0; j < Math.*min*(arr1[i], arr2[i]); j++) {  
 sb.append((char) (i + 'a'));  
 }  
 }  
 }  
 return sb.toString();  
 }  
}

# Q2. <https://leetcode.com/problems/contains-duplicate/>

## Solution*:*

# Q3. <https://leetcode.com/problems/contains-duplicate-ii/>

## Solution:

# Q4. <https://leetcode.com/problems/summary-ranges/>

## Solution:

# Q5. <https://leetcode.com/problems/range-sum-query-immutable/>

## Solution:

# Q6. <https://leetcode.com/problems/range-sum-query-2d-immutable/>

## Solution:

# Q7. <https://leetcode.com/problems/remove-element/>

## Solution:

# Q8. <https://leetcode.com/problems/intersection-of-two-arrays/>

## Solution:

# Q9. <https://leetcode.com/problems/intersection-of-two-arrays-ii/>

## Solution:

# Q10. <https://leetcode.com/problems/next-greater-element-i/>

## Solution:

# Q11. <https://leetcode.com/problems/next-greater-element-ii/>

## Solution:

# Q12. <https://leetcode.com/problems/next-greater-element-iii/>

## Solution:

# Q13. <https://leetcode.com/problems/4sum/>

## Solution:

# Q14. <https://leetcode.com/problems/reduce-array-size-to-the-half/>

## Solution: