import java.util.HashMap;

public class LetterCounter {

    public static void main(String[] args) {

        String str = "ab12asrffffbbb";

        HashMap<character, integer> letterCount = new HashMap<>();</character, integer>

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

            if (Character.isLetter(c)) {

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

            }

        }

        System.out.println("Letter counts: " + letterCount);

    }

}

import java.util.HashSet;

import java.util.HashMap;

public class LetterCounter {

    public static void main(String[] args) {

        String str = "ab12asrffffbbb";

        HashSet letters = new HashSet<>();

        HashMap<character, integer> letterCount = new HashMap<>();</character, integer>

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

            if (Character.isLetter(c)) {

                letters.add(c);

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

            }

        }

        System.out.println("Unique letters: " + letters);

        System.out.println("Letter counts: " + letterCount);

    }

}

import java.util.HashMap;

import java.util.stream.Collectors;

public class LetterCounter {

    public static void main(String[] args) {

        String str = "ab12asrffffbbb";

        HashMap<character, long> letterCount = str.chars()</character, long>

            .filter(Character::isLetter)

            .mapToObj(c -> (char) c)

            .collect(Collectors.groupingBy(c -> c, HashMap::new, Collectors.counting()));

        System.out.println("Letter counts: " + letterCount);

    }

}

**write java program to filterout values whos sum is 7 in List<Integer> aList = Arrays.asList(1,3,2,4,8);**

import java.util.Arrays;

import java.util.List;

import java.util.stream.Collectors;

public class FilterSumPairs {

    public static void main(String[] args) {

        List aList = Arrays.asList(1, 3, 2, 4, 8);

        List filteredList = aList.stream()

            .filter(i -> aList.stream().noneMatch(j -> i + j == 7 && i != j))

            .collect(Collectors.toList());

        System.out.println("Filtered list: " + filteredList);

    }

}

Sure! Here's an alternative way to write the program using nested loops to filter out pairs of values whose sum is 7:

import java.util.Arrays;

import java.util.List;

import java.util.ArrayList;

public class FilterSumPairs {

public static void main(String[] args) {

List<Integer> aList = Arrays.asList(1, 3, 2, 4, 8);

List<Integer> filteredList = new ArrayList<>(aList);

for (int i = 0; i < aList.size(); i++) {

for (int j = i + 1; j < aList.size(); j++) {

if (aList.get(i) + aList.get(j) == 7) {

filteredList.remove(aList.get(i));

filteredList.remove(aList.get(j));

}

}

}

System.out.println("Filtered list: " + filteredList);

}

}