import java.util.Arrays;  
import java.util.Scanner;  
  
public class Main{  
 public static void main (String[] args){  
 boolean loop = true;  
 while (loop){  
 Scanner scan = new Scanner(System.*in*);  
 System.*out*.println("Задача 1");  
 System.*out*.println("Задача 2");  
 System.*out*.println("Задача 3");  
 System.*out*.println("Задача 4");  
 int task = scan.nextInt();  
 mass m = new mass();  
 switch (task) {  
 case 1:  
 m.first();  
 break;  
 case 2:  
 m.second();  
 break;  
 case 3:  
 m.third();  
 break;  
 case 4:  
 m.fourth();  
 break;  
 default:  
 loop = false;  
 }  
 }  
 }  
}

import java.util.Arrays;  
import java.util.Scanner;  
  
public class mass {  
 public void first(){  
 System.*out*.println("Введите размер массива: ");  
 Scanner num = new Scanner(System.*in*);  
 int size = num.nextInt();  
 int[] array = new int[size];  
 System.*out*.println("Введите числа для сортировки: ");  
 for (int i = 0; i < size; i++) {  
 array[i] = num.nextInt();  
 }  
 Arrays.*sort*(array);  
 System.*out*.println(Arrays.*toString*(array));  
 System.*out*.println("");  
  
 }  
 public void second(){  
 System.*out*.println("Введите что-то для подсчёта: ");  
 Scanner sentence = new Scanner(System.*in*);  
 while (true) {  
 String str = sentence.nextLine();  
 int[] counters = new int[(int) Character.*MAX\_VALUE*];  
 for (char c : str.toCharArray()) {  
 counters[(int) c]++;  
 }  
 for (int i = 0; i < counters.length; ++i) {  
 if (counters[i] > 0)  
 System.*out*.println((char) i + "\t" + counters[i]);  
 }  
 break;  
 }  
 System.*out*.println("");  
 }  
 public void third(){  
 System.*out*.println("Выводим числовой массив где каждой букве соответствует число – номер буквы в алфавите: ");  
 String[] str = {"а", "б", "в", "г", "д", "е", "ё", "ж", "з", "и", "й", "к", "л", "м", "н", "о", "п", "р", "с", "т", "у", "ф", "х", "ц", "ч", "ш", "щ", "ъ", "ы", "ь", "э", "ю", "я"};  
 int[] arrayNum = new int[33];  
 for (int i = 0; i < str.length; i++) {  
 arrayNum[i] = i + 1;  
 }  
 System.*out*.println(Arrays.*toString*(arrayNum));  
 System.*out*.println("");  
 }  
 public void fourth(){  
 System.*out*.println("Введите слова:");  
 Scanner input = new Scanner(System.*in*);  
 String word = input.nextLine();  
 String[] wordsArray = word.split(" ");  
 String[] numbers = {"1", "2", "3", "4", "5", "6", "7", "8", "9", "0"};  
 for (int i = 0; i < wordsArray.length; i++) {  
 for (int j = 0; j < numbers.length; j++) {  
 if (wordsArray[i].contains(numbers[j])) {  
 System.*out*.println(wordsArray[i]);  
 break;  
 }  
 }  
 }  
 System.*out*.println("");  
 }  
}