1. Counting duplicate characters

package com.example;

public class main {

public static void main(String[] args) {

String string1 = "madronavincentruselltañada";

int count;

//Converts given string into character array

char string[] = string1.toCharArray();

System.out.println("Duplicate characters in a given string: ");

System.out.println();

//Counts each character present in the string

for(int i = 0; i <string.length; i++)

{

count = 1;

for(int j = i+1; j <string.length; j++) {

if(string[i] == string[j] && string[i] != ' ') {

count++;

//Set string[j] to 0 to avoid printing visited character

string[j] = '0';

}

}

//A character is considered as duplicate if count is greater than 1

if(count > 1 && string[i] != '0')

System.out.println(string[i]);

}

}

}

2. Finding the first non-repeated characters

package com.example;

public class main {

public static void main(String[] args) {

String inputStr = "vincentrusellmadrona";

for(char i :inputStr.toCharArray()){

if (inputStr.indexOf(i) == inputStr.lastIndexOf(i)){

System.out.println("First non-repeating character is; "+i);

break;

}

}

}

}

3. Checking whether a string contains only digits

package madronachekingwhetherastringcontainsonlydigits;

import java.util.Scanner;

public class main {

public static void checkedString(String string) {

if(checkString(string) == true) {

System.out.println("The string contains only digits");

} else {

System.out.println("The string contains mixed characters");

}

System.out.println();

}

public static boolean checkString(String string) {

for(int i = 0; i < string.length(); i++) {

if(string.charAt(i) >= '0' && string.charAt(i) <= '9') {

return true;

} else {

return false;

}

}

return false;

}

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

System.out.print("Enter a string: ");

String string = input.nextLine();

System.out.println();

checkedString(string);

}

}

4. Removing white space from a string

package madronaremovingwhitespacefromastring;

public class removingwhitespacefromastring {

public static void main(String[] args) {

String str = " w h i t e s p a c e ";

// Call the replaceAll() method

str = str.replaceAll("\\s", "");

System.out.println(str);

}

}

5. Checking whether two strings are anagram

package madronacheckingwhethertwostringsareanagram;

import java.util.Arrays;

import java.util.Scanner;

public class checkingwhethertwostringsareanagram {

public static void checkIfAnagram(String string1, String string2) {

int lenOfString1 = string1.length();

int lenOfString2 = string2.length();

if(lenOfString1 != lenOfString2) {

System.out.println("The two string are not anagram");

}

char[] charArray1 = string1.toUpperCase().toCharArray();

char[] charArray2 = string2.toUpperCase().toCharArray();

Arrays.sort(charArray1);

Arrays.sort(charArray2);

string1 = String.valueOf(charArray1);

string2 = String.valueOf(charArray2);

boolean isAnagram = string1.equalsIgnoreCase(string2);

if (isAnagram == true) {

System.out.println("The two strings are anagram");

} else if (isAnagram == false){

System.out.println("The two strings are not anagram");

}

}

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

System.out.print("Enter first string: ");

String string1 = input.nextLine();

System.out.print("Enter second string: ");

String string2 = input.nextLine();

System.out.println();

checkIfAnagram(string1, string2);

}

}