**PROGRAM 1**

public class CountingDuplicateCharacters {

public static void main(String[] args) {

String string1 = "Gustuir Jerica";

int count;

char string[] = string1.toCharArray();

System.out.println("Duplicate characters in a given 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++;

string[j] = '0';

}

}

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

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

}

}

}

**PROGRAMMING 2**

public class FindingTheFirstNonRepeatCharacter

{

public static void main(String[] args) {

String input = "GUSTUIRJERICA";

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

boolean unique = true;

for (int j = 0; j < input.length(); j++) {

if (i != j && input.charAt(i) == input.charAt(j)) {

unique = false;

}

}

if(unique) {

System.out.println(input.charAt(i));

break;

}

}

}

}

**PROGRAM 3**

public class CheckingWhetherAStringContainsOnlyDigits

{

public static void main(String[] args) {

String input = "12345";

System.out.println("12345 contains only digits : " + checkStringOnlyDigitParseInt(input));

System.out.println("123B45 contains only digits : " + checkStringOnlyDigitParseInt("123B45"));

System.out.println("A12345 contains only digits : " + checkStringOnlyDigitParseInt("A12345"));

}

private static boolean checkStringOnlyDigitParseInt(String input) {

try {

Integer.parseInt(input);

} catch (NumberFormatException e) {

return false;

}

return false;

}

}

**PROGRAM 4**

public class Removingwhitespacefromastring

{

public static void main(String[] args) {

String str = " Gu s tu i r j e ri c a";

String str1 = str.replaceAll("\\s", "");

System.out.println(str1);

}

}

**PROGRAM 5**

import java.util.Arrays;

public class CheckingWhetherTwoStringAreAnagram {

static void isAnagram(String str1, String str2) {

String s1 = str1.replaceAll("\\s", "");

String s2 = str2.replaceAll("\\s", "");

boolean status = true;

if (s1.length() != s2.length()) {

status = false;

} else {

char[] ArrayS1 = s1.toLowerCase().toCharArray();

char[] ArrayS2 = s2.toLowerCase().toCharArray();

Arrays.sort(ArrayS1);

Arrays.sort(ArrayS2);

status = Arrays.equals(ArrayS1, ArrayS2);

}

if (status) {

System.out.println(s1 + " and " + s2 + " are anagrams");

} else {

System.out.println(s1 + " and " + s2 + " are not anagrams");

}

}

public static void main(String[] args) {

isAnagram("Gustuir", "Riutsug");

isAnagram("Gustuir Jerica", "Jerica Gustuir");

}

}