**Reverse of String 2**

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String input = sc.nextLine();

String reversed = new StringBuilder(input).reverse().toString();

System.out.println(reversed);

sc.close();

}

}

**Delete the blank space 1**

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String a = sc.nextLine();

String b = a.replace(" ", "");

System.out.println(b);

}

}

**Delete the vowels 1**

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

String s=sc.nextLine();

String st=s.replaceAll("[aeiouAEIOU]","");

System.out.println(st);

}

}

**Concatenate the string 1**

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

String s1=sc.next();

String s2=sc.next();

String s3=s1+s2;

System.out.println(s3);

}

}

**Count the vowels 7**

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

String s=sc.next();

int count=0;

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

char ch=s.charAt(i);

if(ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' ||

ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' || ch == 'U') {

count++;

}

}

System.out.println(count);

}

}

**Count each character in the string 1**

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

String s=sc.next();

while(s.length()>0){

char ch=s.charAt(0);

int len=s.length();

s=s.replace(ch+"","");

int len1 = s.length();

int fre=len-len1;

System.out.println(ch+" "+fre);

}

}

}

**Count vowels, consonants, digits, special characters**

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String s = sc.nextLine();

int vowels = 0, consonants = 0, digits = 0, special = 0;

for (char ch : s.toCharArray()) {

if (Character.isLetter(ch)) {

ch = Character.toLowerCase(ch);

if ("aeiou".indexOf(ch) != -1) vowels++;

else consonants++;

} else if (Character.isDigit(ch)) {

digits++;

} else {

special++;

}

}

System.out.println("vowels:" + vowels);

System.out.println("consonants:" + consonants);

System.out.println("digits:" + digits);

System.out.println("special characters:" + special);

}

}

**Check if string contains only digits 2**

import java.util.\*;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String s = sc.nextLine().trim();

if (s.matches("[0-9]+")) {

System.out.println("only digits");

} else {

System.out.println("no");

}

}

}

**String anagram 6**

import java.util.\*;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String str1 = sc.nextLine().trim();

String str2 = sc.nextLine().trim();

if (areAnagrams(str1, str2)) {

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

} else {

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

}

}

public static boolean areAnagrams(String s1, String s2) {

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

return false;

}

char[] arr1 = s1.toCharArray();

char[] arr2 = s2.toCharArray();

Arrays.sort(arr1);

Arrays.sort(arr2);

return Arrays.equals(arr1, arr2);

}

}

**Alternating Code 3**

import java.util.\*;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String s = sc.nextLine().trim();

if (isAlternating(s)) {

System.out.println("Yes");

} else {

System.out.println("No");

}

}

public static boolean isAlternating(String s) {

Set<Character> set = new HashSet<>();

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

set.add(c);

}

if (set.size() != 2) return false;

for (int i = 2; i < s.length(); i++) {

if (s.charAt(i) != s.charAt(i - 2)) {

return false;

}

}

return true;

}

}

**Recursion-Natural Numbers 1**

import java.util.\*;

public class Main {

static void printNatural(int n, int i) {

if (i > n) {

return;

}

System.out.print(i + " ");

printNatural(n, i + 1);

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

if (n >= 1 && n <= 50) {

System.out.println("The first " + n + " Natural Numbers are:");

printNatural(n, 1);

} else {

System.out.println("Enter a Valid Input!!!!!!!!!!!!!!!!!!!!!!!!");

}

}

}

**Recursion-Sum of Numbers 1**

import java.util.\*;

public class Main {

static int sumOfNumbers(int n) {

if (n == 1) {

return 1;

}

return n + sumOfNumbers(n - 1);

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

if (n >= 1 && n <= 50) {

int sum = sumOfNumbers(n);

System.out.printf("The sum of numbers from 1 to %d : %04d\n", n, sum);

} else {

System.out.println("Enter a Valid Input!!!!!!!!!!!!!!!!!!");

}

}

}

**Recursion-Sum of Digits 2**

import java.util.Scanner;

public class Main {

static int sumOfDigits(int n) {

if (n == 0) {

return 0;

}

return (n % 10) + sumOfDigits(n / 10);

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

if (num < 1000) {

int sum = sumOfDigits(num);

System.out.printf("Sum of Digit:%04d\n", sum);

} else {

System.out.println("Enter a Valid Input!!!!!!!");

}

}

}

**Recursion-Count the digits 1**

import java.util.Scanner;

public class Main {

static int countDigits(int n) {

if (n == 0) {

return 0;

}

return 1 + countDigits(n / 10);

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

int count;

if (num == 0) {

count = 1;

} else {

count = countDigits(Math.abs(num));

}

System.out.println("The Count the digits: " + count);

}

}

**Armstrong number or not 14**

import java.util.Scanner;

public class Main {

public static boolean isArmstrong(int n) {

int original = n;

int digits = String.valueOf(n).length();

int sum = 0;

while (n > 0) {

int digit = n % 10;

sum += Math.pow(digit, digits);

n /= 10;

}

return sum == original;

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

if (num <= 0 || num >= 100000) {

System.out.println("Invalid Input");

} else {

if (isArmstrong(num)) {

System.out.println("yes");

} else {

System.out.println("no");

}

}

}

}