import java.util.Scanner;

class Example4{

public static void main(String args[]){

String str2="";

Scanner sc=new Scanner(System.in);

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

String str1=sc.nextLine();

int len=str1.length();

int j=0;

for(int i=len-1;i>=0;j++,i--)

{

str2=str2+str1.charAt(i);

}

if(str1.equals(str2))

System.out.println("The string is palindrome.");

else

System.out.println("The string is not palindrome.");

}

}

import java.util.Scanner;

class Example5{

public static void main(String args[]){

int count=0;

Scanner sc=new Scanner(System.in);

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

String str=sc.nextLine();

System.out.println("Enter a character:");

char c=sc.next().charAt(0);

for(int i=(str.length())-1;i>=0;i--)

{n

if(str.charAt(i)==c)

count++;

}

if(count==0)

System.out.println("No such character found in the string.");

else

System.out.println("Character found "+count+" times.");

}

}

import java.util.Scanner;

class Example6{

public static void main(String args[]){

int a[][]=new int[50][50];

int b[][]=new int[50][50];

int c[][]=new int[50][50];

Scanner sc=new Scanner(System.in);

System.out.println("Enter number of rows of first matrix:");

int m=sc.nextInt();

System.out.println("Enter number of columns of first matrix:");

int n=sc.nextInt();

System.out.println("Enter elements of the matrix1:");

for(int i=0;i<m;i++){

for(int j=0;j<n;j++){

System.out.println("Enter element of row "+i+"col "+j);

a[i][j]=sc.nextInt();

}

}

System.out.println("Enter number of rows of second matrix:");

int p=sc.nextInt();

System.out.println("Enter number of columns of second matrix:");

int q=sc.nextInt();

System.out.println("Enter elements of the matrix2:");

for(int i=0;i<m;i++){

for(int j=0;j<n;j++){

System.out.println("Enter element of row "+i+"col "+j);

b[i][j]=sc.nextInt();

}

}

if(n==p){

System.out.println("Product Matrix:");

for(int i=0;i<m;i++){

for(int j=0;j<n;j++){

c[i][j]=0;

for(int k=0;k<3;k++)

{

c[i][j]+=a[i][k]\*b[k][j];

}

System.out.print(c[i][j]+" ");

}

System.out.println("");

}}

else

System.out.println("Multiplication cannot be done.");

}

}