// Program to divide, multiply, add and subtract two number

import java.util.Scanner;

class HelloWorld {

public static void main(String[] args) {

int a,b;

float result=0.0f;

char ch;

Scanner sc = new Scanner(System.in);

System.out.println("Enter your choice of symbol: ");

ch= sc.next().charAt(0);

System.out.println("Enter the numbers");

a=sc.nextInt();

b=sc.nextInt();

switch(ch)

{

case '+':

result = a+b;

System.out.println("The result is:"+result);

break;

case '-':

result = a-b;

System.out.println("The result is:"+result);

break;

case '\*':

result = a\*b;

System.out.println("The result is:"+result);

break;

case '/':

if(b!=0)

{

result = a/b;

System.out.println("The result is:"+result);

}

else

{

System.out.println("Division by zero not possible");

}

break;

default:

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

}

}

}

// Program to check if even number is palindrome or not

import java.util.Scanner;

class HelloWorld {

public static void main(String[] args) {

int num,n;

int sum=0,rem;

Scanner sc = new Scanner(System.in);

System.out.println("Enter the number: ");

num=sc.nextInt();

n=num;

if(num%2==0)

{

while(num!=0)

{

rem=num%10;

sum=(sum\*10)+rem;

num/=10;

}

if(sum==n)

System.out.println("The given number is an even palindrome");

else

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

}

else

{

System.out.println("The number is not even nuber");

}

}

}

// Program to check if numbers are divisible by 23 in the range 10 and 150

import java.util.Scanner;

class HelloWorld {

public static void main(String[] args) {

int[] num = new int[100];

int n;

System.out.println("Enter the number of elements \n");

Scanner sc=new Scanner(System.in);

n=sc.nextInt();

System.out.println("Enter the numbers between 10 and 150 \n");

for(int i=0;i<n;i++)

num[i] = sc.nextInt();

int count=0;

for(int i=0;i<n;i++)

{

if(num[i]%23==0)

count++;

}

if(count>=1)

System.out.println(count+" numbers are divisible by 23");

else

System.out.println("The numbers are not divisible by 23");

}

}