import java.util.Scanner;

public class Calci {

public static void main(String[] args) {

Scanner reader = new Scanner(System.in);

System.out.print("Enter two numbers: ");

double first = reader.nextDouble();

double second = reader.nextDouble();

System.out.print("Enter an operator (+, -, \*, /): ");

char operator = reader.next().charAt(0);

double result;

switch(operator)

{

case '+':

result = first + second;

break;

case '-':

result = first - second;

break;

case '\*':

result = first \* second;

break;

case '/':

result = first / second;

break;

default:

System.out.printf("wrong entry of operator");

return;

}

System.out.printf("%.1f %c %.1f = %.1f", first, operator, second, result);

}

}

///////////////////////////////////////

import java.util.Scanner;

public class Largest\_Number

{

public static void main(String[] args)

{

int n, max;

Scanner s = new Scanner(System.in);

System.out.print("Enter number of elements in the array:");

n = s.nextInt();

int a[] = new int[n];

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

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

{

a[i] = s.nextInt();

}

max = a[0];

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

{

if(max < a[i])

{

max = a[i];

}

}

System.out.println("Maximum value:"+max);

}

/////////////////////////////////////////////////////

Example 1: Program to Check Prime Number using a for loop

public class Prime {

public static void main(String[] args) {

int num = 29;

boolean flag = false;

for(int i = 2; i <= num/2; ++i)

{

// condition for nonprime number

if(num % i == 0)

{

flag = true;

break;

}

}

if (!flag)

System.out.println(num + " is a prime number.");

else

System.out.println(num + " is not a prime number.");

}

}

//////////////////////////////////////////////////////////////////

Example 1: Sum of Natural Numbers using for loop

public class SumNatural {

public static void main(String[] args) {

int num = 100, sum = 0;

for(int i = 1; i <= num; ++i)

{

// sum = sum + i;

sum += i;

}

System.out.println("Sum = " + sum);

}

}

/////////////////////////////////////////////////////////////////////

Example 1: Find Factorial of a number using for loop

public class Factorial {

public static void main(String[] args) {

int num = 10;

long factorial = 1;

for(int i = 1; i <= num; ++i)

{

// factorial = factorial \* i;

factorial \*= i;

}

System.out.printf("Factorial of %d = %d", num, factorial);

}

}