Java Program to read number (entered by user)

import java.util.Scanner;

public class Number

{

public static void main(String args[])

{

Scanner sc=new Scanner(System .in);

System.out.print("enter a number: ");

int num=sc.nextInt();

sc.close();

System.out.println("the number entered by user is:"+num);

}

}

Output:

enter a number: the number entered by user is:50

Java Program to check if a number is positive or negative

public class positivenegative

{

public static void main(String[] args)

{

int number=-109;

if(number > 0)

{

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

}

else if(number < 0)

{

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

}

else

{

System.out.println(number+" is neither positive nor negative");

}

}

}

Output:

-109 is a negative number

Java Program to add two numbers

public class AddTwoNumbers {

public static void main(String[] args) {

int num1 = 5, num2 = 15, sum;

sum = num1 + num2;

System.out.println("Sum of these numbers: "+sum);

}

}

Output:

Sum of these numbers: 20

Java Program to Find ASCII value of a Character

public class AsciiValue {

public static void main(String[] args) {

char ch = 'a';

int ascii = ch;

int castAscii = (int) ch;

System.out.println("The ASCII value of " + ch + " is: " + ascii);

System.out.println("The ASCII value of " + ch + " is: " + castAscii);

}

}

Ouput:

The ASCII value of a is: 97

The ASCII value of a is: 97

Java Program to Multiply two Numbers

import java.util.Scanner;

public class Demo {

public static void main(String[] args) {

Scanner scan = new Scanner(System.in);

System.out.print("Enter first number: ");

int num1 = scan.nextInt();

System.out.print("Enter second number: ");

int num2 = scan.nextInt();

scan.close();

int product = num1\*num2;

System.out.println("Output: "+product);

}

}

Output:

Enter first number:5

Enter second number:5

Output: 25

Java Program to Calculate Area of Triangle

public class AreaTriangleDemo2 {

public static void main(String args[]) {

double base = 20.0;

double height = 110.5;

double area = (base\* height)/2;

System.out.println("Area of Triangle is: " + area);

}

}

Output:

Area of Triangle is: 1105.0

Java Program to check whether number is even or odd

import java.util.Scanner;

public class CheckEvenOdd

{

public static void main(String args[])

{

int num;

System.out.println("Enter an Integer number:");

Scanner input = new Scanner(System.in);

num = input.nextInt();

if ( num % 2 == 0 )

System.out.println("Entered number is even");

else

System.out.println("Entered number is odd");

}

}

Output:

Enter an Integer number: 78

Entered number is even

Java Program to swap two numbers

public class SwapNumbers {

public static void main(String[] args) {

float first = 1.20f, second = 2.45f;

System.out.println("--Before swap--");

System.out.println("First number = " + first);

System.out.println("Second number = " + second);

float temporary = first;

first = second;

second = temporary;

System.out.println("--After swap--");

System.out.println("First number = " + first);

System.out.println("Second number = " + second);

}

}

Ouput:

--Before swap--

First number = 1.2

Second number = 2.45

--After swap--

First number = 2.45

Second number = 1.2

Java Program to swap two numbers

public class MaximumNumber {

public static void main(String args[])

{

int a = 10, b = 25, c = 15, max;

max = (a > b) ? (a > c ? a : c) : (b > c ? b : c);

System.out.println("Maximum number among " + a

+ ", " + b + " and " + c + " is "

+ max);

}

}

output:

Maximum number among 10, 25 and 15 is 25

Java Program to find the smallest of three numbers using

Ternary Operator

import java.util.Scanner;

public class JavaExample

{

public static void main(String[] args)

{

int num1, num2, num3, result, temp;

Scanner scanner = new Scanner(System.in);

System.out.println("Enter First Number:");

num1 = scanner.nextInt();

System.out.println("Enter Second Number:");

num2 = scanner.nextInt();

System.out.println("Enter Third Number:");

num3 = scanner.nextInt();

scanner.close();

temp = num1 < num2 ? num1:num2;

result = num3 < temp ? num3:temp;

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

}

}

Output:

Enter First Number:20

Enter Second Number:10

Enter Third Number:30

Smallest Number is:10

Java Program to find the largest of three numbers using if..else..if

public class Largest {

public static void main(String[] args) {

double n1 = -4.5, n2 = 3.9, n3 = 2.5;

if( n1 >= n2 && n1 >= n3)

System.out.println(n1 + " is the largest number.");

else if (n2 >= n1 && n2 >= n3)

System.out.println(n2 + " is the largest number.");

else

System.out.println(n3 + " is the largest number.");

}

}

Output:

3.9 is the largest number.

Java Program to check whether a char is vowel or Consonant using Switch Case

import java.util.Scanner;

public class JavaExample

{

public static void main(String[ ] arg)

{

boolean isVowel=false;;

Scanner scanner=new Scanner(System.in);

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

char ch=scanner.next().charAt(0);

scanner.close();

switch(ch)

{

case 'a' :

case 'e' :

case 'i' :

case 'o' :

case 'u' :

case 'A' :

case 'E' :

case 'I' :

case 'O' :

case 'U' : isVowel = true;

}

if(isVowel == true) {

System.out.println(ch+" is a Vowel");

}

else {

if((ch>='a'&&ch<='z')||(ch>='A'&&ch<='Z'))

System.out.println(ch+" is a Consonant");

else

System.out.println("Input is not an alphabet");

}

}

}

Output:

Enter a character : b

b is a Consonant

Enter a character : a

b is a vowel

Java Program to make a Simple Calculator using Switch Case

import java.util.Scanner;

public class JavaExample {

public static void main(String[] args) {

double num1, num2;

Scanner scanner = new Scanner(System.in);

System.out.print("Enter first number:");

num1 = scanner.nextDouble();

System.out.print("Enter second number:");

num2 = scanner.nextDouble();

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

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

scanner.close();

double output;

switch(operator)

{

case '+':

output = num1 + num2;

break;

case '-':

output = num1 - num2;

break;

case '\*':

output = num1 \* num2;

break;

case '/':

output = num1 / num2;

break;

default:

System.out.printf("You have entered wrong operator");

return;

}

System.out.println(num1+" "+operator+" "+num2+": "+output);

}

}

Output:

Enter first number:3

Enter second number:2

Enter an operator (+, -, \*, /):\*

3.0 \* 2.0: 6.0