1. package java2;

import java.util.Scanner;

public class Number{

public static void main(String args[]){

Scanner a = new Scanner(System.in);

System.out.println(“Enter a number”);

int num = a.nextInt();

a.close();

System.out.println(“The entered number is:”+num);

}

}

**Output:**

Enter a number

5

The entered number is:5

1. **Program:**

package java2;

import java.util.Scanner;

public class Positive{

public static void main(String args[]){

Scanner b = new Scanner(System.in);

System.out.println(“Enter a number”);

int num = b.nextInt();

if(num<0){

System.out.println(“The number is negative”);

}

else{

System.out.println(“The number is positive”);

}

}

}

**Output:**

Enter a number

10

The number is positive

Enter a number

-2

The number is negative

1. **Program:**

package java1;

public class Addition{

public static void main(String args[]){

int x = 4;

int y = 6;

int sum = x + y;

System.out.println( sum);

}

}

**Output:**

10

1. **Program:**

package java2;

public class Ascii{

public static void main(String args[]){

char ch = ‘a’;

int ascii = ch1;

System.out.println(“The ascii value of” +ch1+ “is” +ascii);

}

}

**Output:**

The ascii value of a is 97

1. **Program:**

package java2;

public class Multiplication{

public static void main(String args[]){

int a = 4;

int b = 5;

int mul = a \* b;

System.out.println(“The multiplication value is: ”+mul);

}

}

**Output:**

The multiplication value is: 20

1. **Program:**

package java2;

public class Area{

public static void main(String args[]){

int b = 4;

int h = 2;

float area = (b\*h)/2;

System.out.println(“The area of triangle is: ”+area);

}

}

**Output:**

The area of triangle is:4.0

1. **Program:**

package java2;

import java.util.Scanner;

public class Even{

public static void main(String args[]){

Scanner s = new Scanner(System.in);

System.out.println(“Enter a number”);

int num = s.nextInt();

if(num%2==0){

System.out.println(“The number is even”);

}

else{

System.out.println(“The number is odd”);

}

}

}

**Output:**

Enter a number

5

The number is odd

Enter a number

6

The number is even

1. **Program:**

public class Swap{

public static void main(String args[]){

int a = 10;

int b = 20;

System.out.println(“Before swap”);

System.out.println(“The value of a is :”+a);

System.out.println(“The value of b is :”+b);

a = a + b;

b = a - b;

a = a - b;

System.out.println(“After swap”);

System.out.println(“The value of a is :”+a);

System.out.println(“The value of b is :”+b);

}

}

**Output:**

Before swap

The value of a is:10

The value of b is:20

After swap

The value of a is:20

The value of b is:10

1. **Program:**

public class Large{

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

1. **Program:**

import java.util.Scanner;

public class Small{

public class static void main(String args[]){

int a,b,c,temp,smallest;

Scanner sc = new Scanner(System.in);

System.out.println(“Enter the first number”);

a = sc.nextInt();

System.out.println(“Enter the second number”);

b = sc.nextInt();

System.out.println(“Enter the third number”);

c = sc.nextInt();

temp = a<b?a:b;

smallest = c<temp?c:temp;

System.out.println(“The smallest number is :”+smallest);

}

}

**Output:**

Enter the first number

10

Enter the second number

5

Enter the third number

15

The smallest number is :5

1. **Program:**

import java.util.Scanner;

public class Largest{

public class static void main(String args[]){

int a,b,c;

Scanner sc = new Scanner(System.in);

System.out.println(“Enter the first number”);

a = sc.nextInt();

System.out.println(“Enter the second number”);

b = sc.nextInt();

System.out.println(“Enter the third number”);

c = sc.nextInt();

if((a<b)&&(a<c)){

System.out.println(“The smallest number is : “+a);

}

else if((b<a)&&(b<c)){

System.out.println(“The smallest number is : “+b);

}

else{

System.out.println(“The smallest number is : “+c);

}

}

}

**Output:**

Enter the first number

10

Enter the second number

6

Enter the third number

3

The smallest number is : 3

1. **Program:**

import java.util.Scanner;

public class Vowel{

public static void main(String args[]){

boolean bool = false;

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

Scanner sc = new Scanner(System.in);

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

switch(ch){

case’A’:

case’E’:

case’I’:

case’O’:

case’U’:

case’a’:

case’e’:

case’i’:

case’o’:

case’u’:bool=true;

}

If(bool=true)

{

System.out.println(“Given character is vowel”);

}

else{

System.out.println(“Given character is consonant”);

}

}

}

**Output:**

Enter a character:

A

Given character is vowel

Enter a character:

b

Given character is consonant

1. **Program:**

import java.util.Scanner;

public class Calculator{

public static void main(String args[]){

char operator;

Double num1, num2, res;

Scanner a = new Sacnner(System.in);

System.out.println(“Choose an operator: +, -, \*, or /”);

operator = a.next().charAt(0);

System.out.println(“Enter first number”);

num1 = a.nextDouble();

System.out.println(“Enter second number”);

num2 = a.nextDouble();

switch(operator){

case ‘+’:

res = num1 + num2;

System.out.println(num1 + “ + “+ num2 + “ = “ +res);

break;

case ‘-’:

res = num1 - num2;

System.out.println(num1 + “ - “+ num2+ “ = “ +res);

break;

case ‘\*’:

res = num1 \* num2;

System.out.println(num1 + “ \*“+ num2+ “ = “ +res);

break;

case ‘/’:

res = num1 / num2;

System.out.println(num1 + “ / “+ num2+ “ = “ +res);

break;

default:

System.out.println(“Invalid operator”);

break;

}

a.close()

}

}

**Output:**

Choose an operator : +,-,\* or /

+

Enter first number

2

Enter second number

5

2.0 + 5.0 = 7.0