package com.acad.session3;

import java.io.BufferedInputStream;

import java.io.IOException;

import java.io.InputStream;

public class Acad {

public static void main(String[] args) {

int x=1;

int y=2;

int z= x+y;

System.out.println(z);

}

}

o/p : 3

2) Rewrite the above code, where, inputs are provided by the user at runtime and the output is printed.

package com.acad.session3;

import java.util.Scanner;

public class Acad2 {

public static void main(String[] args)

{

int a,b,c=0;

Scanner s= new Scanner(System.in);

System.out.println("Enter two nos.");

a=s.nextInt();

b=s.nextInt();

c=a+b;

System.out.println("sum : "+ c);

}

}

o/p :

Enter two nos.

3

4

sum : 7

3) Write a program with method name sum() that accepts two parameters from user and print the sum of two numbers. Output format should be as:

First number is: Second number is: Sum is:

package com.acad.session3;

import java.util.Scanner;

public class Acad3 {

int x;

int y;

int z;

public void sum(){

Scanner s= new Scanner(System.in);

System.out.println("Enter two nos.");

x=s.nextInt();

y=s.nextInt();

System.out.println("First number is " +x);

System.out.println("Second number number is " +y);

z=x+y;

System.out.println("Sum is " +z);

}

public static void main(String[] args) {

Acad3 ac = new Acad3();

ac.sum();

}}

o/p :Enter two nos.

4

5

First number is 4

Second number number is 5

Sum is 9

4) Write a program to accepts two numbers from stdin and find all the odd as well as even numbers present in between them.

package com.acad.session3;

import java.util.Scanner;

public class Acad4 {

public static void main(String[] args)

{

int no;

Scanner s=new Scanner(System.in);

System.out.println("Enter any number :\t");

no=s.nextInt();

if(no%2==0)

{

System.out.println("Even number");

}

else

{

System.out.println("Odd number");

}

}

}

o/p :Enter any number :

45545

Odd number

5) Joe is scared to go to school. When her dad asked the reason, joe said she is unable to complete the task given by her teacher. The task was to find the “first 10 multiples” of the number entered from stdin . Eg:

package com.acad.session3;

import java.util.Scanner;

public class Acad5 {

public static void main(String[] args) {

int a;

Scanner s= new Scanner(System.in);

System.out.println(" enter number");

a= s.nextInt();

for ( int i=0; i<=10;i++)

{

System.out.println(" multiples of "+a +" with "+i+" is "+i\*a );

}

}

}

o/p : enter number

3

multiples of 3 with 0 is 0

multiples of 3 with 1 is 3

multiples of 3 with 2 is 6

multiples of 3 with 3 is 9

multiples of 3 with 4 is 12

multiples of 3 with 5 is 15

multiples of 3 with 6 is 18

multiples of 3 with 7 is 21

multiples of 3 with 8 is 24

multiples of 3 with 9 is 27

multiples of 3 with 10 is 30

8) Write a program in java using Arrays, that sorts the element in descending order.

package com.acad.session3;

import java.util.Scanner;

public class Acad8

{

public static void main(String[] args)

{

int n, temp;

Scanner s = new Scanner(System.in);

System.out.print("Enter no. of elements you want in array:");

n = s.nextInt();

int a[] = new int[n];

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

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

{

a[i] = s.nextInt();

}

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

{

for (int j = i + 1; j < n; j++)

{

if (a[i] < a[j])

{

temp = a[i];

a[i] = a[j];

a[j] = temp;

}

}

}

System.out.print("Descending Order:");

for (int i = 0; i < n - 1; i++)

{

System.out.print(a[i] + ",");

}

System.out.print(a[n - 1]);

}

}

o/p : Enter no. of elements you want in array:4

Enter all the elements:

79

46

32

12

Descending Order:79,46,32,12