1. Create an array of 10 elements and print them using the for each loop.
2. Take the number input from the console and add all the positive numbers. (not to consider the negative number if entered)
3. Create a labeled break and write a simple logic and execute the program.
4. Do the addition of around 10 even numbers, but use the continue statement in the logic.

ANSWERS

1. Program code:

public class ArraySba {

public static void main(String[] args) {

int [] arr = new int [] {0, 1, 2, 3, 4, 5, 6, 7, 8, 9};

System.out.println("Elements are: ");

for (int i = 0; i < arr.length; i++) {

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

}

}

Result:

Elements of given array:

0 1 2 3 4 5 6 7 8 9

1. Program code:

import java.util.Scanner;

public class AddNoSba {

public static void main(String[] args) {

int sum=0;

Scanner input =new Scanner(System.in);

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

int number=input.nextInt();

while(number>=0) {

sum+=number;

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

number =input.nextInt();

}

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

input.close();

}

Result:

Enter number:

2

Enter number:

3

Enter number:

5

Enter number:

1

Enter number:

-2

The sum is: 11

1. Program Code:

public class LabelledBreakSba {

public static void main(String args[])

{

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

if (i == 3)

break;

System.out.println("i: " + i);

}

System.out.println("Loop Completed");

}

Result:

i: 0

i: 1

i: 2

Out of Loop

1. Program Code:

import java.util.Scanner;

public class SumOfEvenSba {

public static void main(String[] args) {

int[] arr=new int[10];

int sum=0;

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

Scanner input= new Scanner(System.in);

for (int i = 0; i < 10; i += 1){

arr[i]= input.nextInt();}

input.close();

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

{

if((arr[j]%2)==0)

sum=sum+arr[j];

else

continue;

}

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

}

Result:

Enter even numbers

2

4

6

8

10

12

14

16

18

20

The Sum is : 110