**SBA1**

1. Create an array of 10 elements and print them using the for each loop.

Program:

**public class Array{**

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

**int[] arr={10,5,-3,9,6,7,1,2,8,-7};**

**//for-each loop**

**for (int number:arr)**

**{**

**System.out.println(number);**

**}**

**}}**

Result:

**10**

**5**

**-3**

**9**

**6**

**7**

**1**

**2**

**8**

**-7**

1. Take the number input from the console and add all the positive numbers. (not to consider the negative number if entered)

**Code:**

**import java.util.Scanner;**

**public class Main{**

**public static void main (String[] args)**

**{**

**int sum=0,value;**

**Scanner input=new Scanner(System.in);**

**System.out.println("Enter the limit of numbers:");**

**int n=input.nextInt();**

**System.out.println("Enter numbers:");**

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

**{**

**value=input.nextInt();**

**if(value>0){**

**sum+=value;**

**}**

**}**

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

**input.close();**

**}**

**}**

**Output:**

**Enter the limit of numbers:**

**8**

**Enter numbers:**

**11 2 3 4 5 6 7 8**

**Sum=46**

**4)** Do the addition of around 10 even numbers, but use the continue statement in the logic.

**import java.util.Scanner;**

**public class Main{**

**public static void main (String[] args)**

**{**

**int sum=0, i=0,num,n;**

**Scanner input=new Scanner(System.in);**

**System.out.println("Enter the limit of numbers:");**

**n=input.nextInt();**

**for (i=1; i<=(2\*n); i++)**

**{**

**if(i%2==0)**

**sum+=i;**

**else**

**continue;**

**}**

**System.out.println("Sum of first" +n+"positive numbers="+sum);**

**}**

**}**

**Result:**

**Enter the limit of numbers:**

**5**

**Sum of first5positive numbers=30**

**3)** Create a labeled break and write a simple logic and execute the program.

**Code:**

**public class Main{**

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

**first:**

**for (int i=1; i<5; i++){**

**second:**

**for (int j=1; j<5; j++){**

**System.out.println("i="+i+";j="+j);**

**}**

**}**

**}}**

**Output:**

**i=1;j=1**

**i=1;j=2**

**i=1;j=3**

**i=1;j=4**

**i=2;j=1**

**i=2;j=2**

**i=2;j=3**

**i=2;j=4**

**i=3;j=1**

**i=3;j=2**

**i=3;j=3**

**i=3;j=4**

**i=4;j=1**

**i=4;j=2**

**i=4;j=3**

**i=4;j=4**