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

**package** com.ust.test;

**public** **class** SBA1array {

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

{

**int**[] arr1=**new** **int**[] {101,201,301,401,501,601,701,801,901,1001};

System.***out***.println("ARRAY ELEMENTS : ");

**for**(**int** i:arr1)

{

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

}

}

}

Output

ARRAY ELEMENTS :

101 201 301 401 501 601 701 801 901 1001

1. Take the number input from the console and add all the positive numbers.

(not to consider the negative number if entered)

**package** com.ust.test;

**import** java.util.Scanner;

**public** **class** SBA2inputconsole{

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

**int** number,sum=0;

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

System.***out***.println("Enter your limit");

number=input.nextInt();

**for**(**int** i=number;i>=0;i--) {

sum=sum+i;

}

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

}

}

Output

Enter your limit

10

Sum of positive numbers 55

1. Create a labeled break and write a simple logic and execute the program.

**package** com.ust.test;

**public** **class** SBA3labeledbreak {

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

first:

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

second:

**for**(**int** j=1;j<3;j++){

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

**if**(i==2)

**break** first;

}

}

}

}

Outout

i= 1 j= 1

i= 1 j= 2

i= 2 j= 1

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

**package** com.ust.test;

**import** java.util.Scanner;

**public** **class** SBA4evennumber {

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

{

**int** number,i,count=0;

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

System.***out***.println("Enter your limit");

number=input.nextInt();

**for**(i=1;i<number;i++)

{

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

**continue**;

count=count+i;

}

System.***out***.println("Sum of even numbers " +number+ "="+count);

}

}

Output

Enter your limit

10

Sum of even numbers 10 = 20