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

CODE

**package** com.ust.test;

**public** **class** SBA1\_1\_Array {

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

**int**[] array= {1,2,3,4,5,6,7,8,9,10};

**for**(**int** i:array) {

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

}

}

}

OUTPUT

1

2

3

4

5

6

7

8

9

10

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

CODE

**package** com.ust.test;

**import** java.util.Scanner;

**public** **class** SBA1\_2\_PositiveNum {

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

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

System.***out***.print("Enter size of the array: ");

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

**int** numbers[] = **new** **int**[n];

System.***out***.println("Enter array elements: ");

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

numbers[i] = scan.nextInt();

}

**int** sum = *positiveSum*(numbers);

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

scan.close();

}

**public** **static** **int** positiveSum(**int**[] numbers) {

**int** sum = 0;

**for** (**int** i : numbers) {

**if**(i >= 0) sum += i;

}

**return** sum;

}

}

OUTPUT

Enter size of the array: 4

Enter array elements:

1

2

-3

2

Sum of positive numbers = 5

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

CODE:

**package** com.ust.test;

**public** **class** SBA1\_3\_LabelledBreak {

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

first:

**for**( **int** i = 1; i < 6; i++) {

second:

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

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

**if** ( i == 2)

**break** second;

}

}

}

}

OUTPUT

i = 1; j = 1

i = 1; j = 2

i = 2; j = 1

i = 3; j = 1

i = 3; j = 2

i = 4; j = 1

i = 4; j = 2

i = 5; j = 1

i = 5; j = 2

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

CODE

**package** com.ust.test;

**import** java.util.Scanner;

**public** **class** SBA1\_4\_Continue {

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

{

**int** Size, i, EvenSum = 0;

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

System.***out***.print(" Enter sie of array: ");

Size = sc.nextInt();

**int** [] a = **new** **int**[Size];

System.***out***.print(" Enter elements of an Array : ");

**for** (i = 0; i < Size; i++)

{

a[i] = sc.nextInt();

}

sc.close();

**for**(i = 0; i < Size; i++)

{

**if**(a[i] % 2 == 0)

{

EvenSum = EvenSum + a[i];

}

**else** {

**continue**;

}

}

System.***out***.println("\n The Sum of Even Numbers in this Array = " + EvenSum);

}

}

OUTPUT

Enter sie of array: 4

Enter elements of an Array : 1

2

4

1

The Sum of Even Numbers in this Array = 6