**SBA 1**

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.

PROGRAM 1

**public** **class** ArrayForEach {

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

// create an array of 10 elements

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

System.***out***.println ("Array Of 10 elements using for-each Loop:");

**for**(**int** num : number) {

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

}

}

}

**OUTPUT**

Array Of 10 elements using for-each Loop:

1

2

3

4

5

6

7

8

9

10

**PROGRAM 2**

**import** java.util.Scanner;

**public** **class** SumOfPositiveNumbers {

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

**int** sum = 0;

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

System.***out***.println("Enter the number");

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

**while** (num >= 0) // add only positive numbers

{

sum += num; // means sum = sum + number

System.***out***.println("Enter a number");

num = input.nextInt();

}

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

input.close();

}

}

**OUTPUT**

Enter the number

1

Enter a number

2

Enter a number

3

Enter a number

-2

Sum = 6

**PROGRAM 3**

**public** **class** LabeledBreak {

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

first\_loop:

**for**( **int** m = 1; m < 10; m++) {

second\_loop:

**for**(**int** n = 0; n < 5; n ++ ) {

System.***out***.println("m = " + m + "; n = " +n);

**if** ( m == 3)

**break** first\_loop;//labeled break

}

}

}

}

**OUTPUT**

m = 1; n = 0

m = 1; n = 1

m = 1; n = 2

m = 1; n = 3

m = 1; n = 4

m = 2; n = 0

m = 2; n = 1

m = 2; n = 2

m = 2; n = 3

m = 2; n = 4

m = 3; n = 0

**PROGRAM 4**

**public** **class** SumOfEvenWithContinue {

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

{

**int** sum = 0;

**int** num ;

**for** (num = 0; num <= 20; num++)

{

**if** (num %2 == 0 ) {

sum = sum+num;

}

**else** {

**continue**;

}

}System.***out***.println(sum);

}

}

**OUTPUT**

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