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**Roll No:52**

**Batch:B**

**Date:01-06-22**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 19**

**Aim:**

Find the average of N positive integers, raising a user defined exception for each negative input.

**Program:**

**PositiveNum.java**

import java.util.\*;

import Average.\*;

public class PositiveNum

{

public static void main(String args[])

{

double sum = 0;

Scanner sc = new Scanner(System.in);

System.out.println("Enter the limit of the Number");

int n = sc.nextInt();

int[] numbers = new int[n];

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

System.out.println("Enter the numbers to be inserted");

numbers[i] = sc.nextInt();

}

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

try {

if (numbers[i] >= 0) {

sum += numbers[i];

} else {

throw new negative\_exception("Negative number is : " +numbers[i]);

}

}

catch (negative\_exception e){

System.out.println(e.getMessage());

}

}

double avg = sum/n;

System.out.println("Average of Positive Numbers ="+avg);

}

}

**negative\_exception**

package Average;

public class negative\_exception extends Exception{

public negative\_exception(String s){

super(s);

}

}

**OUTPUT:**

