**Name: Varsha JJ**

**Roll No: 48**

**Batch: B**

**Date: 31/05/22**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 3**

**Aim**

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

**PROCEDURE**

import java.util.\*;

class Neg\_Exception extends Exception

{

public Neg\_Exception(String s)

{

super(s);

}

}

public class positive

{

public static void main(String[] args)

{

int i;

double sum=0;

Scanner sc=new Scanner(System.in);

System.out.println("Count of numbers: ");

int N=sc.nextInt();

int[] intArray=new int[N];

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

for(i=0;i<N;i++)

{

intArray[i]=sc.nextInt();

}

for(i=0;i<N;i++)

{

try

{

if (intArray[i]<0)

{

throw new Neg\_Exception(+intArray[i]+"\tis a negative number");

}

else

{

sum=sum+intArray[i];

}

}

catch( Neg\_Exception e)

{

e.printStackTrace();

System.out.println("Enter a positive number: ");

intArray[i]=sc.nextInt();

sum=sum+intArray[i];

}

}

System.out.println("Average of N positive numbers:"+sum/N);

}

}

**Output**

