**Name:jobin t j**

**Roll No:07**

**Batch:S2 MCA**

**Date:31/05/2022**

**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.Scanner;

class NegativeIntegerException extends Exception{

private static final long serialVersionUID = 1L;

public NegativeIntegerException(String s) {

super(s);

}

}

public class average {

public static void main(String[] args) {

int number[];

int sum=0;

int i;

float avg;

float count = 0;

Scanner sc=new Scanner(System.in);

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

int n=sc.nextInt();

number = new int[n];

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

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

{

number[i] = sc.nextInt();

}

try {

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

{

if(number[i]<0)

{

throw new NegativeIntegerException("Numbers must be positive");

}

else {

sum = sum + number[i];

count++;

}

}

avg=sum/count;

System.out.println("Average :"+avg);

}

catch(NegativeIntegerException e) {

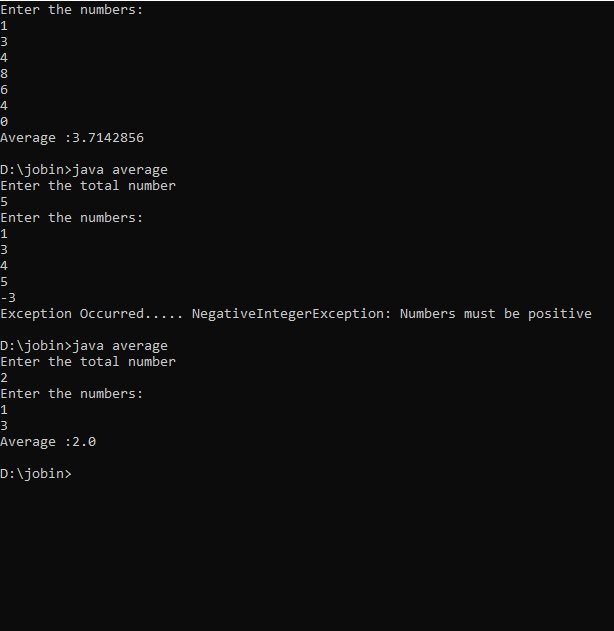
System.out.println("Exception Occurred..... "+e);

}

}

}

**Output Screenshot**

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