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**Roll No: 45**

**Batch: S2 MCA**

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**OBJECT ORIENTED PROGRAMING LAB**

**Experiment No.: 20**

**Aim**

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

**Procedure**

import java.util.Scanner;

public class IntegerNum{

public static class InvalidNumberException extends Exception {

public InvalidNumberException() {

super("Please provide a valid number!");

}

}

public static void main(String [] args){

Scanner sc=new Scanner(System.in);

int c,num,sum=0;

double avg;

System.out.println("enter the count:");

c=sc.nextInt();

System.out.println("enter the Numbers:");

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

try{

num=sc.nextInt();

if(num>0){

sum+=num;

}else{

i--;

throw new InvalidNumberException();

}

}

catch(InvalidNumberException e){

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

}

}

System.out.println("sum is "+sum);

System.out.println("avg is "+sum/c);

}

}

**Output Screenshot**

