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**Batch:S2 MCA**

**Date:31/05/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No: 23**

**AIM**

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

**PROCEDURE**

import java.util.\*;

class MyException extends Exception {

public MyException(String value) {

super(value);

}

}

public class Main {

public static void main(String args[]) {

int totalNums;

int i;

int temp, count = 0;

int sum = 0;

Scanner sc = new Scanner(System.in);

System.out.println("Total numbers");

totalNums = Integer.parseInt(sc.nextLine());

for (i = 0; i < totalNums; i++) {

try {

temp = Integer.parseInt(sc.nextLine());

if (temp > 0) {

sum += temp;

count += 1;

} else {

throw new MyException(Integer.toString(temp));

}

} catch (MyException ex) {

System.out.print(ex.getMessage());

System.out.println(" - Not a positive number");

}

}

System.out.print("Count : ");

System.out.println(count);

System.out.print("sum: ");

System.out.println(sum);

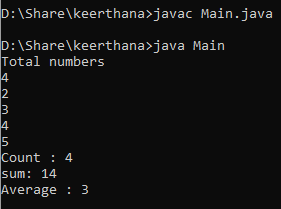
System.out.print("Average : ");

System.out.println(sum / count);

}

}

**Output Screenshot**

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