OBJECT ORIENTED PROGRAMMING LAB

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Roll No: 10

Batch: S2 MCA

Date: 31/05/2022

Experiment No.: 23

AIM:

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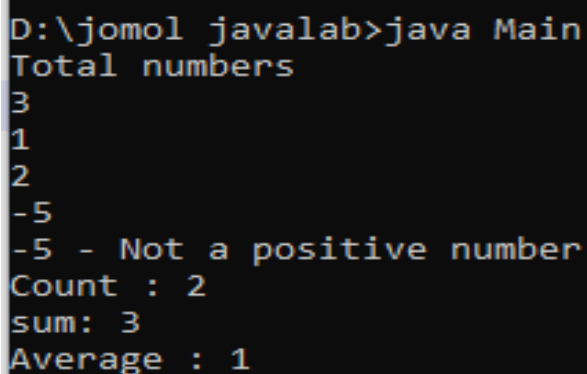
PROCEDURE:

```
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;
```

```java
            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:

```
D:\jomol javalab>java Main
Total numbers
3
1
2
-5
-5 - Not a positive number
Count : 2
sum: 3
Average : 1
```