

OBJECT ORIENTED PROGRAMMING LAB**Experiment No: CO4-03****Aim****Name: Manya Madhu****Roll No: 17****Batch: S2 RMCA B****Date: 3105-2022**

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

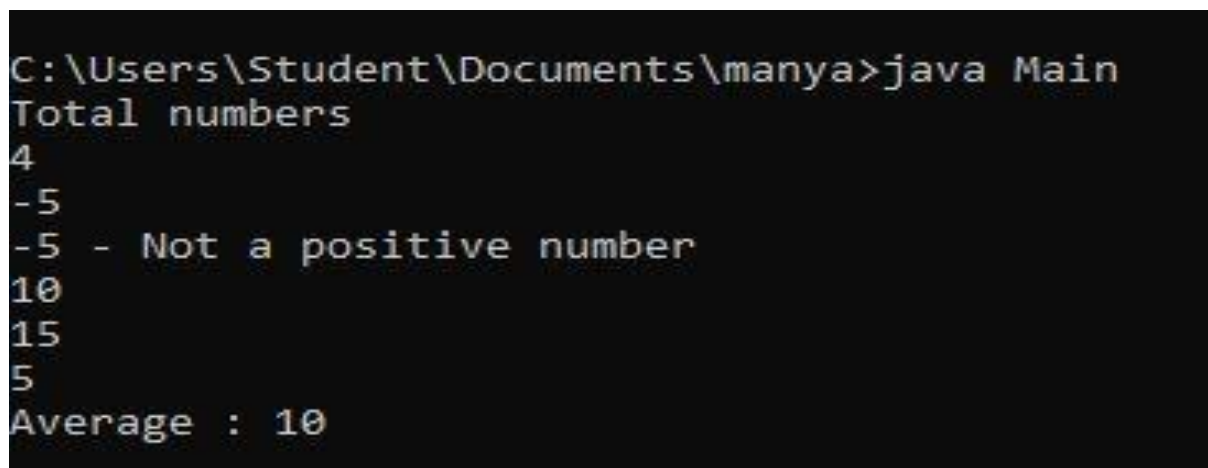
Procedure:

```
import java.util.*;

class MyException extends Exception {
    public MyException(String value) {
        super(value);
    }
}

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("Average : ");  
System.out.println(sum / count);  
}  
}
```

Output:

```
C:\Users\Student\Documents\manya>java Main  
Total numbers  
4  
-5  
-5 - Not a positive number  
10  
15  
5  
Average : 10
```