OBJECT ORIENTED PROGRAMMING LAB

Experiment No:(co4)24

Name: Mathew Sebastian

Roll No: 18

Batch: S2 RMCA B

Date: 01-06-2022

Aim

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

Procedure

```java
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 {
```
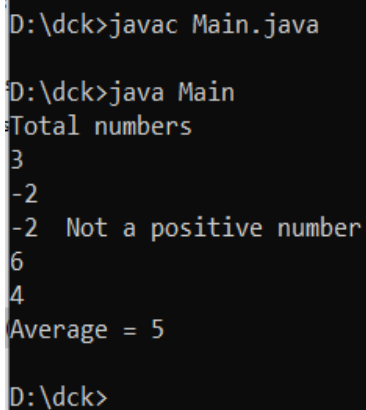
```
                throw new MyException(Integer.toString(temp));
            }
        } catch (MyException ex) {
            System.out.print(ex.getMessage());
            System.out.println(" Not a positive number");
        }
    }


    System.out.print("Average = ");
    System.out.println(sum / count);


    }
}
```

Output Screenshot

```
D:\dck>javac Main.java

D:\dck>java Main
Total numbers
3
-2
-2  Not a positive number
6
4
Average = 5

D:\dck>
```