OBJECT-ORIENTED PROGRAMMING LAB

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Batch: MCA - B

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Aim

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

Program

```java
import java.util.Scanner; import
java.util.InputMismatchException;

class Negative
{    public static void main(String[ ]
args)
{       float sum = 0,
avg;
    System.out.println("Please enter number of integers");
Scanner sc1 = new Scanner(System.in);
    int counter = sc1.nextInt();

    if ( counter <= 0 ) {
        throw new InputMismatchException("N must be positive");
    }
else {
        System.out.println("Please enter "+counter+" numbers");
```

```
        }


        for (int i =0; i< counter; i++) {          int inputnum =
sc1.nextInt();          if ( inputnum <= 0){          throw new
InputMismatchException("Please enter again");


        }
        sum = sum+inputnum;
        System.out.println();
    }



    avg= sum/counter;


    System.out.println("the average is " + avg);


  }
}
```

Output Screenshot

```
D:\>javac Negative.java

D:\>java Negative
Please enter number of integers
3
Please enter 3 numbers
2

2

1

the average is 1.6666666

D:\>java Negative
Please enter number of integers
3
Please enter 3 numbers
2

2

-1
Exception in thread "main" java.util.InputMismatchException: Please enter again
        at Negative.main(Negative.java:23)
```