# OBJECT ORIENTED PROGRAMMING LAB

## Experiment No.: 19

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**Batch: B**

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## Aim

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

## Procedure

```
import Average.*;
import java.util.*;

public class PositiveNum
{
        public static void main(String args[])
        {
      double sum = 0;
      Scanner sc = new Scanner(System.in);
      System.out.println("Enter the limit of the Number");
      int n = sc.nextInt();
      int[] numbers = new int[n];
      for(int i =0;i<n; i++){
         System.out.println("Enter the numbers to be inserted");
         numbers[i] = sc.nextInt();
      }
      for(int i =0;i<n; i++){
         try {
            if (numbers[i] >= 0) {
               sum += numbers[i];
            } else {
               throw new negative_exception("Negative number is : " +numbers[i]);
            }
         }
         catch (negative_exception e){
            System.out.println(e.getMessage());
         }
      }
      double avg = sum/n;
```

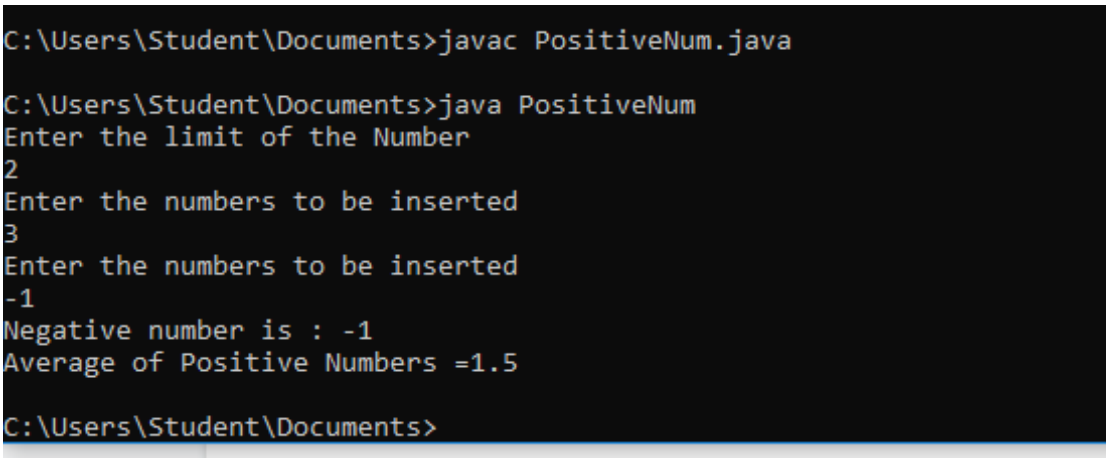
```
        System.out.println("Average of Positive Numbers ="+avg);

    }

}
package Average;

public class negative_exception extends Exception{
    public negative_exception(String s){
        super(s);
    }
}
```

## Output Screenshot



```
C:\Users\Student\Documents>javac PositiveNum.java

C:\Users\Student\Documents>java PositiveNum
Enter the limit of the Number
2
Enter the numbers to be inserted
3
Enter the numbers to be inserted
-1
Negative number is : -1
Average of Positive Numbers =1.5

C:\Users\Student\Documents>
```