

**OBJECT ORIENTED PROGRAMMING LAB****Experiment No: 23****Aim**

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

**Procedure**

```
import java.util.Scanner;

public class Integer {

    public static class InvalidNumberException extends Exception {

        public InvalidNumberException() {

            super("Please provide a valid number!");

        }

    }

    public static void main(String [] args){

        Scanner sc=new Scanner(System.in);

        int c,num,sum=0;

        double avg;

        System.out.println("enter the count:");

        c=sc.nextInt();

        System.out.println("enter the Numbers:");

        for(int i=0;i<c;i++){

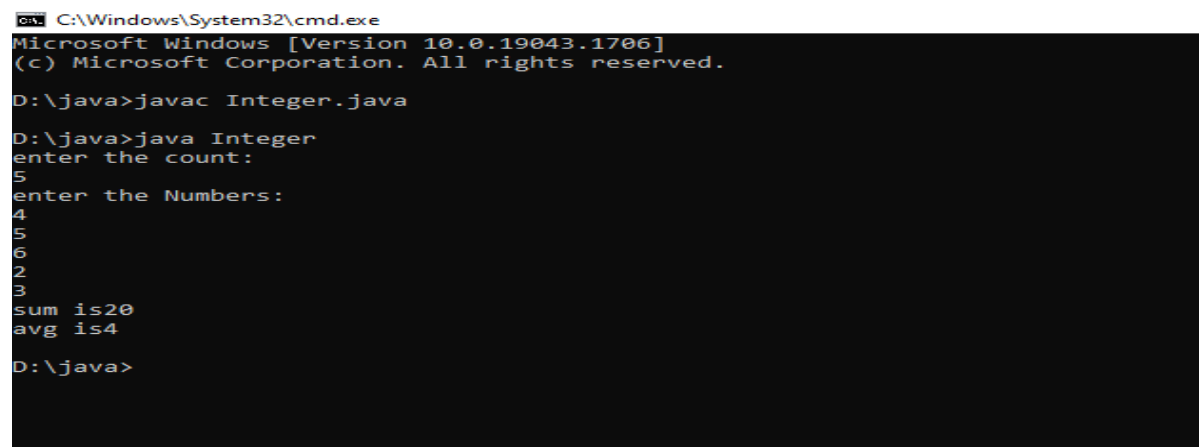
            try{

                num=sc.nextInt();
```

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```
if(num>0){  
  
sum+=num;  
  
}else{  
  
c--;  
  
throw new InvalidNumberException();  
  
}  
  
}  
  
catch(InvalidNumberException e){  
  
System.out.println(e.getMessage());  
  
}  
  
}  
  
System.out.println("sum is"+sum);  
  
System.out.println("avg is"+sum/c);  
  
}  
  
}
```

## Output



```
C:\Windows\System32\cmd.exe  
Microsoft Windows [Version 10.0.19043.1706]  
(c) Microsoft Corporation. All rights reserved.  
D:\java>javac Integer.java  
D:\java>java Integer  
enter the count:  
5  
enter the Numbers:  
4  
5  
6  
2  
3  
sum is20  
avg is4  
D:\java>
```