

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;
```

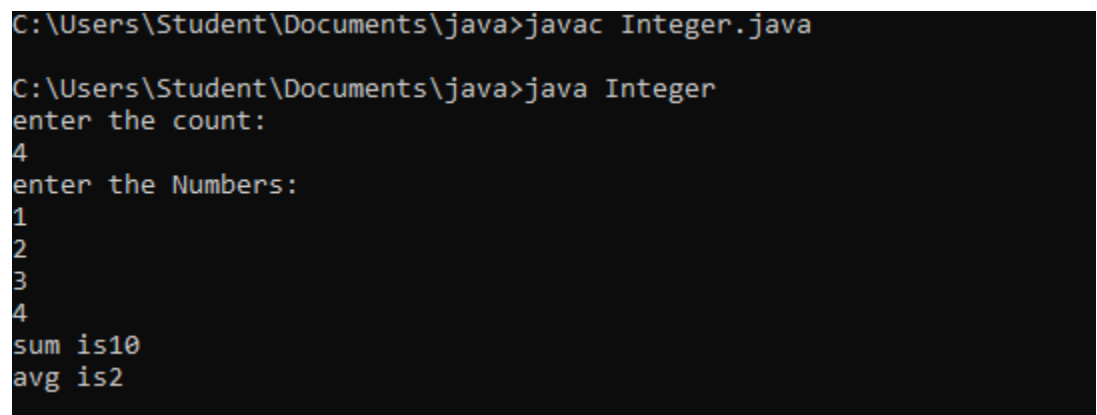
```
public class Integer {  
    public static class InvalidNumberException extends Exception {  
        public InvalidNumberException() {  
            super("Please provide a valid number!");  
        }  
    }  
    public static void main(String [] args){  
        Scanner sc=new Scanner(System.in);  
        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();  
                if(num>0){  
                    sum+=num;  
                }  
            }  
        }  
    }  
}
```

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```
        }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:\Users\Student\Documents\java>javac Integer.java

C:\Users\Student\Documents\java>java Integer
enter the count:
4
enter the Numbers:
1
2
3
4
sum is10
avg is2
```