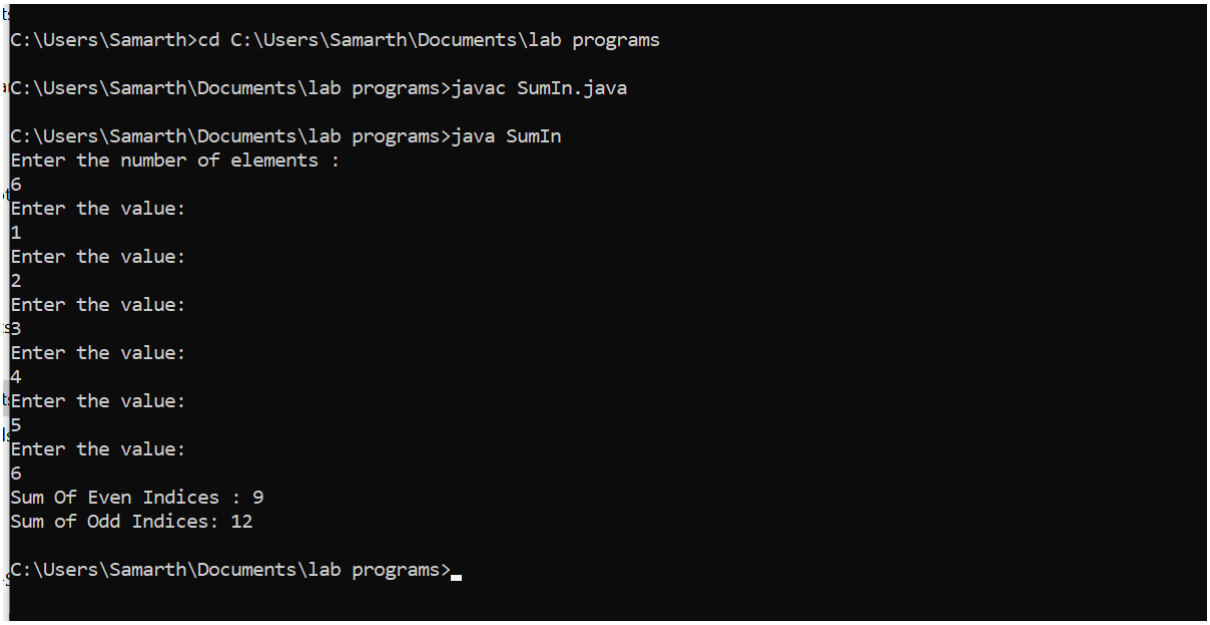
1) import java.util.Scanner;

```
public class SumIn {
public static void main (String [] args) {
        int sum1=0,sum2=0;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of elements :  ");
        int n = sc.nextInt();
        int[] arr = new int[n];
        for(int x=0; x<n;x++) {
                System.out.println("Enter the value: ");
                arr[x]= sc.nextInt();
                if(x%2==0)
                        sum1 +=arr[x];
                else
                        sum2 +=arr[x];
        }
        System.out.println("Sum Of Even Indices : "+sum1+"\nSum of Odd Indices: "+sum2);
sc.close();
}
}
```



2) import java.util.Scanner;

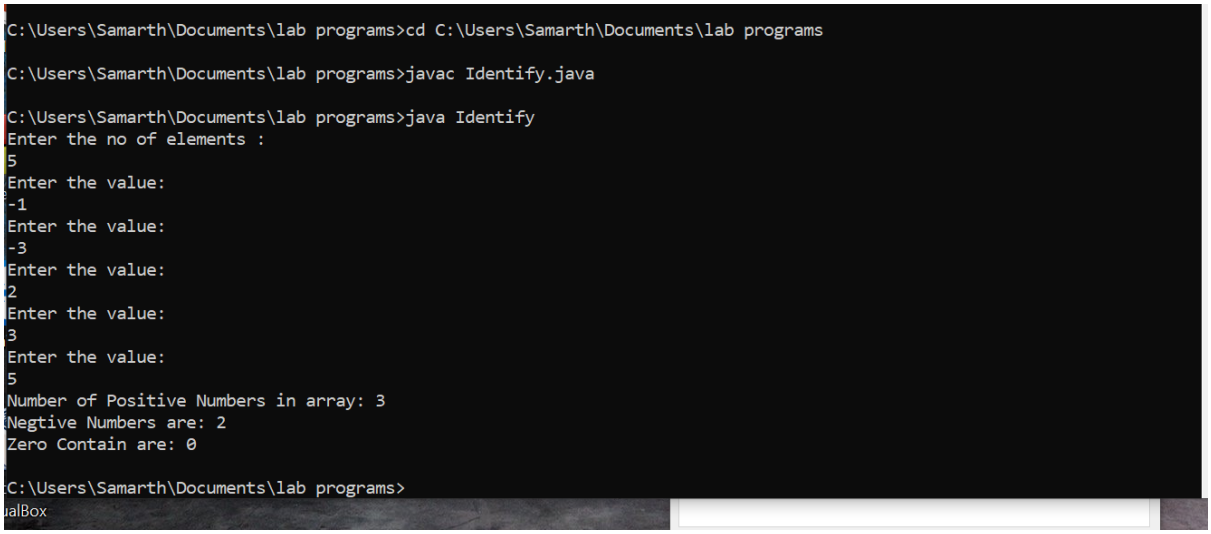
```
public class Identify{

        public static void main (String [] args) {
                int pos_sum=0,neg_sum=0,zsum=0;
                Scanner sc = new Scanner(System.in);
                System.out.println("Enter the no of elements :  ");
                int n = sc.nextInt();
                int[] arr = new int[n];
                for(int x=0; x<n;x++) {
                        System.out.println("Enter the value: ");
                        arr[x]= sc.nextInt();
                        if(arr[x]>0)
                                pos_sum++;
                        else if(arr[x]<0)
                                neg_sum++;
                        else
                                zsum++;
```

}System.out.println("Number of Positive Numbers in array: "+pos_sum+"\nNegtive Numbers are: "+neg_sum+"\nZero Contain are: "+zsum);

}

}




```
import java.util.Scanner;


public class Bill {
        public static void main(String []args) {
         double[] rate = new double[5];
         Scanner input = new Scanner(System.in);
                                int[] qty = new int[5];
                                for(int i=0;i<5;i++) {
                                        System.out.println("Enter The Rate and Quantity per item:
");
                                        rate[i] = input.nextDouble();
                                        qty[i] = input.nextInt();
                                }
                                double total=0;
                                for(int j=0;j<5;j++) {
                                        total+=(rate[j]*qty[j]);
                                }
                                System.out.println("total: "+total);
```

```
                    if(total>=10000) {
                        total-=(0.05*total);
                    }else if(total>=7500) {
                        total-=(0.03*total);
                    }else if(total>=5000) {
                        total-=(0.02*total);
                    }
                    System.out.println("Total: "+total);
}}
```

```
C:\Users\Samarth\Documents\lab programs>javac Bill.java

C:\Users\Samarth\Documents\lab programs>java Bill
Enter The Rate and Quantity per item:
5000
3
Enter The Rate and Quantity per item:
12
3
Enter The Rate and Quantity per item:
10
4
Enter The Rate and Quantity per item:
14
2
Enter The Rate and Quantity per item:
45
1
total: 15149.0
Total: 14391.55

C:\Users\Samarth\Documents\lab programs>
```

```
import java.util.Scanner;
public class SumMinMaxAvg {
    public static void main (String [] args) {
        int e=0,o=0,esum=0;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of elements :  ");
        int n = sc.nextInt();
        int[] A = new int[n];
        int[] B = new int[n];
```

```
                int[] C = new int[n];
                System.out.println("Enter the value: ");
                for(int x=0; x<n;x++) {
                        A[x]= sc.nextInt();
                        if(A[x]%2==0) {
                                C[e]=A[x];
                                esum+=C[e++];}
                        else
                                B[o++]= A[x];
}
                int max = 0;
                  int min = C[0];
            for(int i=0;i<e; i++ ) {
              if(C[i]>max)
                max = C[i];
              if(C[i]<min) {
                        min = C[i];
                      }
            }
System.out.println("Sum of Elements in Aarry C: "+esum+"\nAverage Of Elements C: "+(esum/(e-1))+"\nMaxmium Value of C array: "+max+"\nMinimum Value of C array: "+min);
sc.close();}
}
```