

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();  
    }  
}
```

```

C:\Users\Samarth>cd C:\Users\Samarth\Documents\lab programs
C:\Users\Samarth\Documents\lab programs>javac SumIn.java
C:\Users\Samarth\Documents\lab programs>java SumIn
Enter the number of elements :
6
Enter the value:
1
Enter the value:
2
Enter the value:
3
Enter the value:
4
Enter the value:
5
Enter the value:
6
Sum Of Even Indices : 9
Sum of Odd Indices: 12
C:\Users\Samarth\Documents\lab programs>

```

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++;
        }
    }
}

```

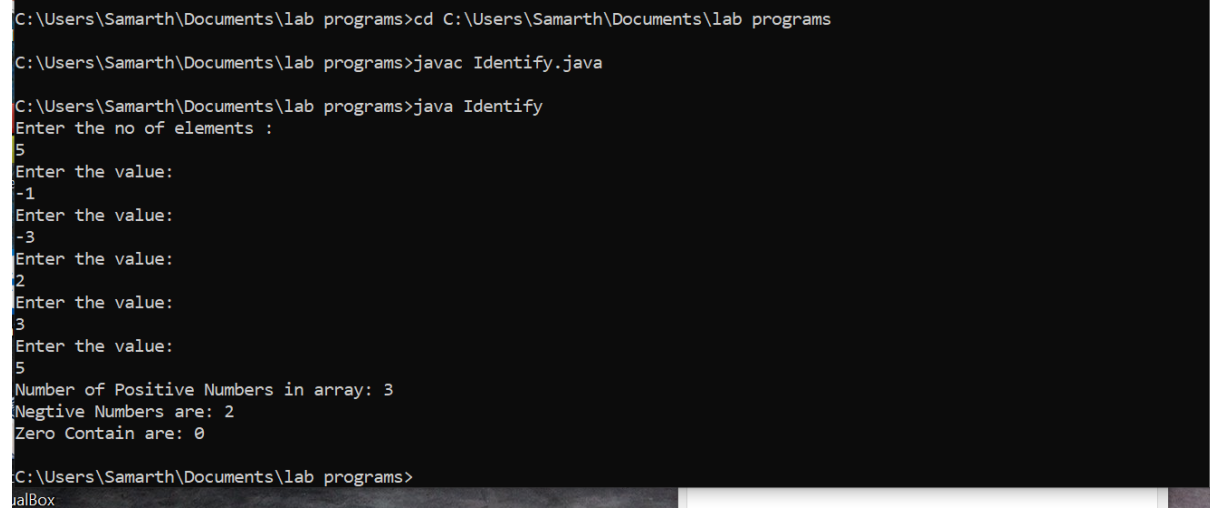
```

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

}

}

```



```

C:\Users\Samarth\Documents\lab programs>cd C:\Users\Samarth\Documents\lab programs
C:\Users\Samarth\Documents\lab programs>javac Identify.java
C:\Users\Samarth\Documents\lab programs>java Identify
Enter the no of elements :
5
Enter the value:
-1
Enter the value:
-3
Enter the value:
2
Enter the value:
3
Enter the value:
5
Number of Positive Numbers in array: 3
Negative Numbers are: 2
Zero Contain are: 0
C:\Users\Samarth\Documents\lab programs>

```

```
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];

    }

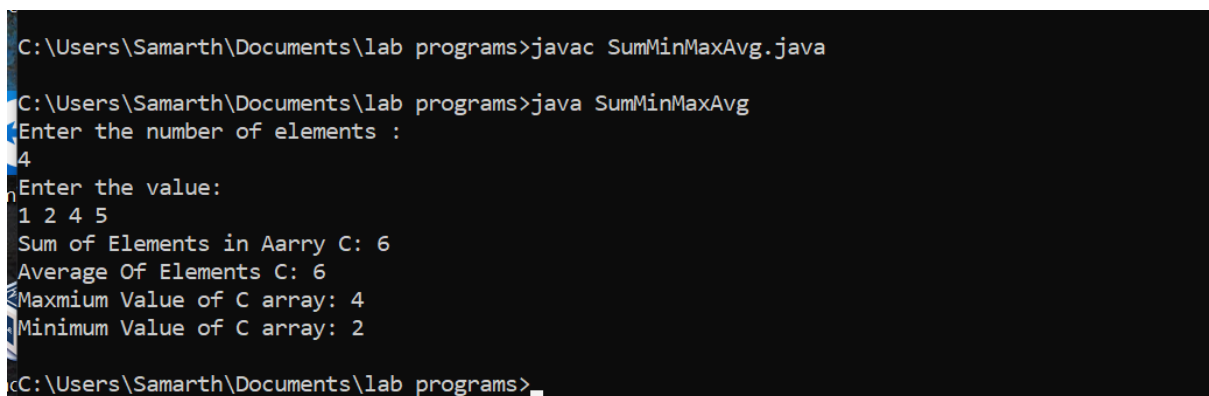
}

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();}

}

```



```

C:\Users\Samarth\Documents\lab programs>javac SumMinMaxAvg.java
C:\Users\Samarth\Documents\lab programs>java SumMinMaxAvg
Enter the number of elements :
4
Enter the value:
1 2 4 5
Sum of Elements in Aarry C: 6
Average Of Elements C: 6
Maximum Value of C array: 4
Minimum Value of C array: 2
C:\Users\Samarth\Documents\lab programs>

```