

```

1 import java.util.Scanner;
2 class array1
3 {
4     public static void main(String args[]){
5         int a2[];
6         int sum_even = 0, sum_odd = 0;
7         Scanner s1 = new Scanner(System.in);
8         System.out.println("Enter number of elements in array:");
9         int n=s1.nextInt();
10        a2=new int[n];
11        for(int i=0;i<n;i++)
12        {
13            System.out.println("Enter a2["+i+"]");
14            a2[i]=s1.nextInt();
15        }
16        for(int i=0;i<n;i++)
17        {
18            if(i%2 == 0){
19                sum_even = sum_even + a2[i];
20            }
21            else if(i%2 != 0){
22                sum_odd = sum_odd + a2[i];
23            }
24        }
25        System.out.println("sum of even numbers is" + " " + sum_even);
26        System.out.println("sum of odd numbers is" + " " + sum_odd);
27    }
28 }

```

The minimum number is 0

```
(base) jathinsmacbookpro@Jathins-MacBook-Pro java % java array1.java
```

Enter number of elements in array:

5

Enter a2[0]

2

Enter a2[1]

5

Enter a2[2]

3

Enter a2[3]

7

Enter a2[4]

4

sum of even numbers is 9

sum of even numbers is 12

```
(base) jathinsmacbookpro@Jathins-MacBook-Pro java %
```



```

1 import java.util.Scanner;
2 class array2{
3     public static void main(String args[]){
4         int a2[];
5         int c1 = 0, c2 = 0, c3 = 0;
6         Scanner s1 = new Scanner(System.in);
7         System.out.println("Enter number of elements in array:");
8         int n=s1.nextInt();
9         a2=new int[n];
10        for(int i=0;i<n;i++)
11        {
12            System.out.println("Enter a2["+i+"]");
13            a2[i]=s1.nextInt();
14        }
15        for(int i=0;i<n;i++)
16        {
17            if(a2[i]>0){
18                c1 = c1 + 1;
19            }
20            else if(a2[i]<0){
21                c2 = c2 + 1;
22            }
23            else if(a2[i] == 0){
24                c3 = c3 + 1;
25            }
26        }
27        System.out.println("Number of positive numbers is" + " " + c1);
28        System.out.println("Number of negative numbers is" + " " + c2);
29        System.out.println("Number of zeros is" + " " + c3);
30    }
31 }

```

```
((base) jathinsmacbookpro@Jathins-MacBook-Pro java % java array2.java
Enter number of elements in array:
5
Enter a2[0]
2
Enter a2[1]
-5
Enter a2[2]
-2
Enter a2[3]
1
Enter a2[4]
0
Number of positive numbers is 2
Number of negative numbers is 2
Number of zeros is 1
(base) jathinsmacbookpro@Jathins-MacBook-Pro java %
```



```

1 import java.util.Scanner;
2 class array4{
3     public static void main(String args[]){
4         int A[],B[],C[];
5         int sum=0,count=0;
6         double avg;
7         Scanner s1 = new Scanner(System.in);
8         System.out.println("Enter the number of elements");
9         int n = s1.nextInt();
10        A=new int[n];
11        B=new int[n];
12        C=new int[n];
13        for(int i=0; i<n; i++){
14            System.out.println("Enter value of A["+i+"]");
15            A[i] = s1.nextInt();
16            if(A[i]%2 == 0){
17                C[i] = A[i];
18                System.out.println(C[i]);
19                sum = sum + C[i];
20                count = count + 1;
21            }
22            else if(A[i]%2 != 0){
23                B[i] = A[i];
24            }
25        }
26        int max = getMax(C);
27        int min = getMin(C);
28        avg = sum/count;
29        System.out.println("The sum is:" +sum);
30        System.out.println("The average is:" +avg);
31        System.out.println("The maximum number is:" +max);
32        System.out.println("The minimum number is:" +min);
33    }
34 }

```

```
the minimum number is:0
(base) jathinsmacbookpro@Jathins-MacBook-Pro java % java arra
Enter the number of elements
3
Enter value of A[0]
-2
-2
Enter value of A[1]
4
4
Enter value of A[2]
3
The sum is:2
The average is:1.0
The maximum number is:4
The minimum number is:-2
(base) jathinsmacbookpro@Jathins-MacBook-Pro java %
```