

4 Algo.

$n \rightarrow$ size of array from user.

int arr = new int[n];

arr \rightarrow input from user.

int B = new int[n];

int C = new int[n];

~~for i=0 to n-1~~

j=0, k=0, total=0

for i=0 \rightarrow n-1

if arr[i] % 2 == 0

{ B[j] = arr[i];

j++; ~~total++;~~

}

else

{ C[k] = arr[i];

k++; total += arr[i];

}

avg = total / k;

ma = C[0], mi = C[0];

for i=0 \rightarrow k-1

{

if C[i] > ma

ma = C[i];

if C[i] < mi

mi = C[i];

}

Display (total, avg, ma, mi)

```
import java.util.*;
```

```
class even
```

```
{
```

```
    public static void main()
```

```
    {
```

```
        Scanner Sc = new Scanner(System.in);
```

```
        System.out.println("Enter number of elements");
```

```
        int n = Sc.nextInt();
```

```
        int A = new int[n];
```

```
        System.out.println("Enter the elements");
```

```
        for (int i = 0; i < n; i++)
```

```
            A[i] = Sc.nextInt();
```

```
        int B = new int[n];
```

```
        int C = new int[n];
```

```
        int total = 0, avg, j = 0, k = 0;
```

```
        for (int i = 0; i < n; i++)
```

```
            if (A[i] % 2 == 0)
```

```
            {
```

```
                C[j] = A[i];
```

```
                j++; total += A[i];
```

```
            }
```

```
        else
```

```
        {
```

```
            B[k] = A[i];
```

```
            k++;
```

```
        }
```

```
        int ma = C[0], mi = C[0];
```

```
        for (int i = 0; i < n; i++)
```

```
            if (C[i] < mi)
```

```
                mi = C[i];
```

```
            if (C[i] > ma)
```

```
                ma = C[i];
```

```
# System.out.print("The sum = " + total +  
    " The average = " + (total / j) +  
    " The minimum = " + mi +  
    " The maximum = " + ma);
```

```
}
```

```
}
```

```
vj2001@VJ:~/ooj-lab$ nano even.  
vj2001@VJ:~/ooj-lab$ nano even.java  
vj2001@VJ:~/ooj-lab$ javac even.java  
vj2001@VJ:~/ooj-lab$ java even  
Enter the size of the array  
5  
Enter the values of the array  
5  
1  
2  
3  
4  
The sum of the even elements of the array is: 6  
The average is 3.0  
The maximum is: 4 The minimum is: 2  
vj2001@VJ:~/ooj-lab$
```