

```
162 //Even Odd Sum
163 import java.util.*;
164 class Series{
165     public static void main(String args[]){
166         Scanner in=new Scanner(System.in);
167         int n,a[],sum=0,sumc=0;
168         System.out.println("Enter the number of elements to be present in the array : ");
169         n=in.nextInt();
170         a=new int[n];
171         System.out.println("Enter the indices : ");
172         for(int i=0;i<n;i++){
173             a[i]=in.nextInt();
174         }
175         for(int i=0;i<n;i++){
176             if(a[i]%2==0){
177                 sum=a[i]+sum;
178             }
179             else if(a[i]%2!=0){
180                 sumc=a[i]+sumc;
181             }
182         }
183         System.out.println("Even indices sum is : "+sum+" and odd indices sum is : "+sumc);
184     }
185 }
186
```

```
C:\Users\Shreshtha Aggarwal\Desktop\java>javac Series.java
```

```
C:\Users\Shreshtha Aggarwal\Desktop\java>java Series
```

```
Enter the number of elements to be present in the array :
```

```
5
```

```
Enter the indices :
```

```
1
```

```
21
```

```
46
```

```
78
```

```
3
```

```
Even indices sum is : 124 and odd indices sum is : 25
```

```
187 //number of postive,negative and zeroes
188 import java.util.*;
189 class Series{
190     public static void main(String args[]){
191         Scanner in=new Scanner(System.in);
192         int n,a[],l=0,j=0,k=0;
193         System.out.println("Enter the number of elements to be present in the array : ");
194         n=in.nextInt();
195         a=new int[n];
196         System.out.println("Enter the indices : ");
197         for(int i=0;i<n;i++){
198             a[i]=in.nextInt();
199         }
200         for(int i=0;i<n;i++){
201             if(a[i]>0){
202                 l++;
203             }
204             else if(a[i]<0){
205                 j++;
206             }
207             else if(a[i]==0){
208                 k++;
209             }
210         }
211         System.out.println("Number of postive numbers : "+l+"\nNumber of negative numbers : "+j+"\nNumber of zeroes : "+k);
212     }
213 }
214 }
```

```
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```

```
Enter the number of elements to be present in the array :
```

```
5
```

```
Enter the indices :
```

```
12
```

```
-98
```

```
34
```

```
-1
```

```
0
```

```
Number of postive numbers : 2
```

```
Number of negative numbers : 2
```

```
Number of zeroes : 1
```



```
217 //SuperMarket Bill
218 import java.util.*;
219 class Series{
220     public static void main(String args[]){
221         Scanner in=new Scanner(System.in);
222         int x,q[];
223         double p[],tb=0,fb=0;
224         System.out.println("Enter the number of items bought : ");
225         x=in.nextInt();
226         p=new double[x];
227         q=new int[x];
228         System.out.println("Enter quantity and per rate of the item(s) : ");
229         for(int i=0;i<x;i++){
230             System.out.println("Enter details of item "+(i+1)+" : ");
231             System.out.printf("Quantity : ");
232             q[i]=in.nextInt();
233             System.out.printf("Rate per item : ");
234             p[i]=in.nextDouble();
235             tb=p[i]*q[i]+tb;
236         }
237         if(tb>=10000)
238             fb=tb*0.95;
239         else if(tb>=7500)
240             fb=tb*0.97;
241         else if(tb>=5000)
242             fb=tb*0.98;
243         else
244             fb=tb;
245         System.out.println("Total Bill: "+tb+"\nFinal Bill :"+fb);
246     }
247 }
```



```
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```

```
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```

```
Enter the number of items bought :
```

```
3
```

```
Enter quantity and per rate of the item(s) :
```

```
Enter details of item 1 :
```

```
Quantity : 10
```

```
Rate per item : 1000
```

```
Enter details of item 2 :
```

```
Quantity : 3
```

```
Rate per item : 456
```

```
Enter details of item 3 :
```

```
Quantity : 2
```

```
Rate per item : 100
```

```
Total Bill: 11568.0
```

```
Final Bill :10989.6
```

```

250 //Sum,Avg,Min,Max of even array
251 import java.util.*;
252 class Series{
253     public static void main(String args[]){
254         Scanner in=new Scanner(System.in);
255         int n,a[],b[],c[],sum=0,min=0,max=0,q=0,j=0;
256         float avg=0;
257         System.out.println("Enter the number of elements to be present in the array : ");
258         n=in.nextInt();
259         a=new int[n];
260         b=new int[n];
261         c=new int[n];
262         System.out.println("Enter the elements : ");
263         for(int i=0;i<n;i++){
264             a[i]=in.nextInt();
265         }
266         for(int i=0;i<n;i++){
267             if(a[i]%2==0){
268                 c[j]=a[i];
269                 sum=c[j]+sum;
270                 j++;
271             }
272             else if(a[i]%2!=0){
273                 b[q]=a[i];
274                 q++;
275             }
276         }
277         max=c[0];
278         min=c[0];
279         for(int i=1;i<j;i++){
280             if(max<c[i]){
281                 max=c[i];
282             }
283             else if(c[i]<min){
284                 min=c[i];
285             }
286         }
287         avg=sum/(float)j;
288         System.out.printf("In C (group of even numbers): \nSum :"+sum+"\nAverage : "+avg+"\nMax number : "+max+"\nMin number : "+min);
289     }
290 }

```

```
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```

```
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```

```
Enter the number of elements to be present in the array :
```

```
4
```

```
Enter the elements :
```

```
13
```

```
8
```

```
96
```

```
54
```

```
In C (group of even numbers):
```

```
Sum :158
```

```
Average : 52.666668
```

```
Max number : 96
```

```
Min number : 8
```

```
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```