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2nd Answer

```java
1    import java.util.Scanner;
2    public class ExArrayEvenOdd
3    {
4        public static void main(String[] args)
5        {
6            // initializing and creating object.
7            int n;
8            Scanner s = new Scanner(System.in);
9
10           // enter number for elements.
11           System.out.print
12           ("Enter no. of elements you want
13           in array : ");
14           n = s.nextInt();
15           int a[] = new int[n];
16    |
17           System.out.println
18           ("Enter all the elements : ");
19           for (int i = 0; i < n; i++)
20           {
21               a[i] = s.nextInt();
22           }
23           System.out.print
24           ("Odd numbers in the array are : ");
25           for(int i = 0 ; i < n ; i++)
26           {
27               if(a[i] % 2 != 0)
28               {
29                   System.out.print(a[i]+" ");
30               }
31           }
32           System.out.println("");
33           System.out.print("Even numbers
34            in the array are : ");
35           for(int i = 0 ; i < n ; i++)
36           {
37               if(a[i] % 2 == 0)
38               {
39                   System.out.print(a[i]+" ");
40               }
41           }
42        }
43   }
```

```
Enter no. of elements you want in array : 2
Enter all the elements :
3
7
Odd numbers in the array are : 3 7
Even numbers in the array are :
Process finished.
```

4th Answer

```java
1   public class Program
2   {
3       public static void main(String[] args) {
4
5       int val=1;
6        for(int i=0;i<7;i++)
7        {
8        for(int j=1;j<i;j++)
9        {
10
11       System.out.print(val+" ");
12       val++;
13       }
14        System.out.print("\n");
15       }
16 }
17 }
```

```
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15

Process finished.
```