```java
import java.util.Scanner;

public class Even_Odd
{
    public static void main(String[] args)
    {
        // initializing and creating objec
        int n;
        Scanner s = new Scanner(System.in)

        // enter number for elements.
        System.out.print("Enter length of
        n = s.nextInt();
        int a[] = new int[n];

        // enter all elements.
        System.out.println("Enter the "+n+
        for (int i = 0; i < n; i++)
        {
            a[i] = s.nextInt();
        }
        System.out.print("Odd numbers in t
        for(int i = 0 ; i < n ; i++)
        {
            if(a[i] % 2 != 0)
            {
                System.out.print(a[i]+" ")
            }
        }
        System.out.println("");
        System.out.print("Even numbers in
        for(int i = 0 ; i < n ; i++)
        {
            if(a[i] % 2 == 0)
            {
                System.out.print(a[i]+" ")
            }
        }
    }
}
```
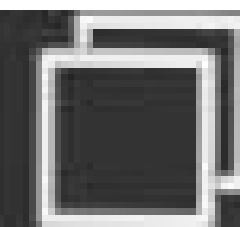
```
Terminal                                    ⊡

Enter length of the array: 5
Enter the 5 elements :
1
2
3
4
5
Odd numbers in the array are : 1 3 5
Even numbers in the array are : 2 4
Process finished.
```

```java
public class Pattern_Q4
{
    public static void main(String[] args)

    int num=1;
    System.out.println("author:G.Sreekanth
     for(int i=0;i<7;i++)
     {
     for(int j=1;j<i;j++)
     {

     System.out.print(num+" ");
     num++;
      }
      System.out.print("\n");
       }
}
}
```

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

Process finished.
```