```java
import java.util.*;
class Demo{
  public static void main (String args[]){
      System.out.println("name: Y.Satyanaray
      System.out.println("enter array size '
      Scanner sc=new Scanner(System.in);
      int n=sc.nextInt();
      int j=0;
      int k=0;
      int l=0;
       int y=0;
      int a[]=new int[n];
      int b[]=new int[n];
      int c[]=new int[n];
      System.out.println("enter elements ");
      for(int i=0;i<n;i++){
        a[i]=sc.nextInt();
      }
      for(int i=0;i<n;i++){
        if(a[i]%2==0){
          l++;
          b[j++]=a[i];
        }
        else{
          y++;
          c[k++]=a[i];
        }
      }
     System.out.println("even array ");
     for(int g=0;g<l;g++){
       System.out.print(b[g]+" ");
     }
     System.out.println("\nodd array ");
     for(int h=0;h<y;h++){
       System.out.print(c[h]+" ");
     }
```

```
name: Y.Satyanarayana
sap id: 51834602
enter array size
6
enter elements
1
2
3
4
5
6
even array
2 4 6
odd array
1 3 5
Process finished.
```

```java
abstract class House{
    abstract void hall();
    abstract void balcony();
    abstract void dinning_room();
}
class Your_House_Name extends House{
  void hall(){
      System.out.println("we have hall in h
  }
    void balcony(){
     System.out.println("we have balcony in
  }
    void dinning_room(){
      System.out.println("we have dining ro
  }
}
class Main{
   public static void main (String args[])
  System.out.println("name: Y.Satyanarayan
      Your_House_Name d=new Your_House_Name
      d.hall();
      d.balcony();
      d.dinning_room();
  }
}
```

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```
name: Y.Satyanarayana
sap id:51834602
we have hall in house
we have balcony in house
we have dining room in house

Process finished.
```

```java
import java.util.*;
class Demo{
  public static void main (String args[]){
    System.out.println("name: Y.Satyanaray
    int count=0;
    for(int i=0;i<=5;i++){
      for(int j=0;j<i;j++){
        count++;
        System.out.print(count);
      }
      System.out.println();
    }
  }
}
```

```
name: Y.Satyanarayana
sap id: 51834602

1
23
456
78910
1112131415

Process finished.
```

```java
public class Main
{
    public static void main(String[] args)
    {
        System.out.println("name:Y.Satyanara

        String st="";
        for(int i=1;i<args.length;i++){
            st=st+args[i]+" ";
        }
        System.out.print("output: "+st);

    }
    }
```

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