```java
import java.util.*;
 class Demo{
   public static void main(String args[])
     {
        Scanner sc=new Scanner(System.in);
   System.out.println("Author: G s s pavan\nsap i
        System.out.println("enter the array size "
        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();
        }
        for(int i=0;i<n;i++){
           int count=1;
           for(int j=i+1;j<n;j++){
             if(a[i]==a[j]){
                count++;
             if(count%2==0){
                for(int l=j;l<n-1;l++){
                   a[l]=a[l+1];
                }
                n--;
                }

           }
          }
        }
        System.out.println("output ");
        for(int i=0;i<n;i++){
          System.out.print(a[i]+" ");
        }
     }
}
```
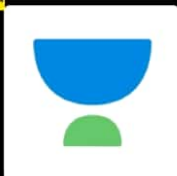
```
Author: G s s pavan
sap id :51834699
enter the array size
10
enter the elements
1 23 1 2 4 23 2 5 6 2
output
1 23 2 4 5 6 2
Process finished.
```

```java
1  import java.util.*;
2  public class PalindromePattern
3  {
4      public static void main(String[] args)
5      {
6          int i,j,k;
7          Scanner sc=new Scanner(System.in);
8          System.out.println("Author:G s s pavan
9          System.out.println("enter no.of rows");
10
11         int n=sc.nextInt();
12
13         for(i=0; i<n; i++)
14         {
15            //inotializing k as one
16             k=1;
17             for(j=0; j<(n+i); j++)
18             {
19                 if(j<n-i-1)
20                 //prints space in the less than n
21                     System.out.print(" ");
22                  else
23                  {
24                     // else prints k
25                      System.out.print(+ k);
26                      if(j<(n-1))
27                 //  if j is greater than n-1
28                 //increases to k+1
29                         k++;
30
31                      else
32                      //if not k as k-1
33                          k--;
34                  }
35              }
36              System.out.println(" ");
37          }
38      }
39
40
41  }
```

```
Author:G s s pavan
SAP ID:51834699
enter no.of rows
5
        1
      121
    12321
  1234321
123454321

Process finished.
```

```java
import java.util.*;
public class Main
{
   public static void main(String[] args) {
   Scanner sc=new Scanner(System.in);
   System.out.println("Author:G s s pavan \nSAP I
   System.out.println("enter the number ");
   int n=sc.nextInt();
   int sum=0;
   for(int i=1;i<=n+n;i++){
        int a=0;
        if(i%2!=0){
        sum=sum+i^2/i^3;;
        }
   }
   System.out.println("output");
   System.out.println(sum);

   }
}
```

```
Author:G s s pavan
SAP ID:51834699
enter the number
928
output
860258

Process finished.
```