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1.
import java.util.Scanner;
public class assign {
  static void sort012(int arr[], int n)
  {
    int a=0, b=0, c=0;
    for(int i=0;i<n;i++)
    {
       if(arr[i]==0) a++;
       else if(arr[i]==1) b++;
       else c++;
    }
    int i=0;
    while(a>0)
    {
       arr[i++]=0;
       a--;
    }
    while(b>0)
    {
       arr[i++]=1;
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b--;
  }
  while(c>0)
  {
    arr[i++]=2;
    C--;
  }
}
public static void main(String[] args) {
  Scanner scan=new Scanner(System.in);
  int n=scan.nextInt();
  int[] arr=new int[n];
  for(int i=0;i<n;i++)
  {
    arr[i]=scan.nextInt();
  }
  sort012(arr, n);
  for(int i=0;i<n;i++)
  {
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System.out.println(arr[i]+" ");
    }
  }
}
2.
import java.util.Scanner;
public class assign {
  static int MissingNumber(int arr[], int n)
  {
    int sum=0;
    for(int i=0;i<n;i++)</pre>
    {
      sum+=arr[i];
    }
    return (n*(n+1)/2)-sum;
  }
  public static void main(String[] args) {
    Scanner scan=new Scanner(System.in);
    int n=scan.nextInt();
```

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int[] arr=new int[n];
    for(int i=0;i<n;i++)
    {
      arr[i]=scan.nextInt();
    }
    int ans=MissingNumber(arr, n);
    System.out.println(ans);
  }
}
3.
import java.util.Scanner;
public class assign {
  static int majorityElement(int arr[], int n)
  {
    int count=0, ans=0;
    for(int i=0;i<n;i++)
    {
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count=1;
    for(int j=i+1;j<n;j++)
       if(arr[j]==arr[i]) count++;
    }
    if(count>(n/2)) ans=count;
  }
  return ans;
}
public static void main(String[] args) {
  Scanner scan=new Scanner(System.in);
  int n=scan.nextInt();
  int[] arr=new int[n];
  for(int i=0;i<n;i++)</pre>
  {
    arr[i]=scan.nextInt();
  }
  int ans=majorityElement(arr, n);
  System.out.println(ans);
```

}