

1.

```
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        int[][] a = new int[n][n];

        for(int i=0;i<n;i++){
            for(int j=0;j<n;j++){
                a[i][j]= sc.nextInt();
            }
        }

        for(int i=0;i<n;i++){
            int sum=0;
            for(int j=0;j<n;j++){
                sum+=a[i][j];
            }
            System.out.println("Sum of row" + i+" " + sum);
        }
        for(int i=0;i<n;i++){
            int sum=0;
            for(int j=0;j<n;j++){
                sum+=a[j][i];
            }
            System.out.println("Sum of col" + i+" " + sum);
        }
    }
}
```

2.

```
import java.util.*;
```

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

```
Scanner sc = new Scanner(System.in);
```

```
int n = sc.nextInt();
```

```
int arr[][] = new int[n][n];
```

```
for(int i=0;i<n;i++){
```

```
for(int j=0;j<n;j++){
```

```
arr[i][j] = sc.nextInt();
```

```
}
```

```
}
```

```
int brr[][] = new int[n][n];
```

```
for(int i=0;i<n;i++){
```

```
for(int j=0;j<n;j++){
```

```
brr[i][j] = sc.nextInt();
```

```
}
```

```
}
```

```
int sum[][] = new int[n][n];
```

```
for(int i=0;i<n;i++){
```

```
for(int j=0;j<n;j++){
```

```
sum[i][j] = arr[i][j]+brr[i][j];
```

```
}
```

```
}
```

```
int sub[][] = new int[n][n];
```

```
for(int i=0;i<n;i++){
```

```
for(int j=0;j<n;j++){
```

```
sub[i][j] = arr[i][j]-brr[i][j];
```

```
}
```

```
}
```

```
int mul[][] = new int[n][n];
```

```
for(int i=0;i<n;i++){
```

```
for(int j=0;j<n;j++){
```

```
for(int k=0;k<n;k++){
```

```
mul[i][j] += arr[i][k]*brr[k][j];
```

```
}
```

```
}
```

```
}
```

```
System.out.println("Addition");
```

```
for(int i=0;i<n;i++){
```

```
for(int j=0;j<n;j++){
```

```
System.out.print(sum[i][j]+" ");
```

```
}
```

```
System.out.println();
```

```

    }
    System.out.println("Subraction");
    for(int i=0;i<n;i++){
        for(int j=0;j<n;j++){
            System.out.print(sub[i][j]+" ");
        }
        System.out.println();
    }
    System.out.println("Multiplication");
    for(int i=0;i<n;i++){
        for(int j=0;j<n;j++){
            System.out.print(mul[i][j]+" ");
        }
        System.out.println();
    }
}
}
}
}
}

```

3.

```

import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner d = new Scanner(System.in);
        int n = d.nextInt();
        int arr[][] = new int[n][n];
        for(int i=0;i<n;i++){
            for(int j=0;j<n;j++){
                arr[i][j] = d.nextInt();
            }
        }
        int f=0;
        for(int i=0;i<n;i++){
            for(int j=0;j<n;j++){
                if(arr[i][j]!=20 && arr[i][j]>10){
                    f=1;
                }
            }
        }
        if(f==0)
            System.out.println("YES");
    }
}

```

```
    }  
}
```

4.

```
import java.util.*;  
public class Main  
{  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
        int m = sc.nextInt();  
        int n = sc.nextInt();  
        int a[][] = new int[m][n];  
        for(int i=0;i<m;i++){  
            for(int j=0;j<n;j++){  
                a[i][j] = sc.nextInt();  
            }  
        }  
        int sum=0;  
  
        for(int i=0;i<m;i++){  
            int c=0;  
            for(int j=0;j<n;j++){  
                if(a[i][j]==1){  
                    c++;  
                }  
            }  
            if(c>1){  
                sum+= ((c*(c-1))/2);  
            }  
        }  
        System.out.println(sum);  
    }  
}
```

5.

```
import java.util.*;  
public class Main  
{  
    public static void main (String[]args)
```

```
{
Scanner sc = new Scanner(System.in);
    int n= sc.nextInt();
    int a[] = new int[n];
    for(int i=0; i<n; i++){
        a[i]=sc.nextInt();
    }
    int red =0,green =0,blue =0;
    for(int i=0; i<n; i++){
        if(a[i]==1){
            red++;
        }
        if(a[i]==2){
            green++;
        }
        if(a[i]==3){
            blue++;
        }
    }
    if(red>green && red>blue){
        System.out.println(n-red);
    }
    else if(green>blue && green>red){
        System.out.println(n-green);
    }
    else if(blue>red && blue>green){
        System.out.println(n-blue);
    }
    else {
        System.out.println(n-red);
    }
}}
```