

<https://course.acciojob.com/idle?question=adbe9d2d-b615-43aa-95e7-58b29fee8358>

● EASY

● Max Score: 30 Points

Problem 5

You are given a $n \times n$ matrix your task is to find the sum of left diagonal of the matrix.

Input Format

First line contains an integer n .

Next n lines contains n space separated integers denoting the elements in the matrix.

Output Format

Print an integer denoting the sum of left diagonal elements in the matrix.

Example 1

Input

```
3
1 4 5
2 5 1
3 4 9
```

Output

```
15
```

Example 2

Input

```
3
4 6 2
```

```
8 5 6
5 0 5
```

Output

14

Constraints

$1 \leq n \leq 100$

$-10^4 \leq \text{matrix}[i][j] \leq 10^4$

Topic Tags

My code

```
// n java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
    public static void main (String[] args) throws
java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        int arr[][]=new int [n][n];
        int sum=0;
```

```
for(int i=0;i<n;i++)  
    for(int j=0;j<n;j++)  
        arr[i][j]=s.nextInt();  
for(int i=0;i<n;i++)  
    sum+=arr[i][i];  
System.out.print(sum);
```

```
    }  
}
```