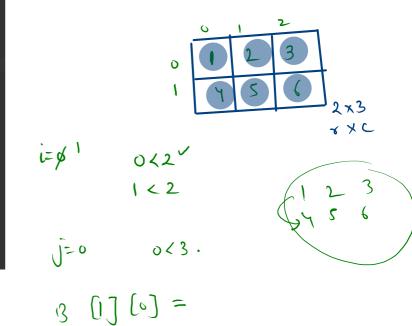
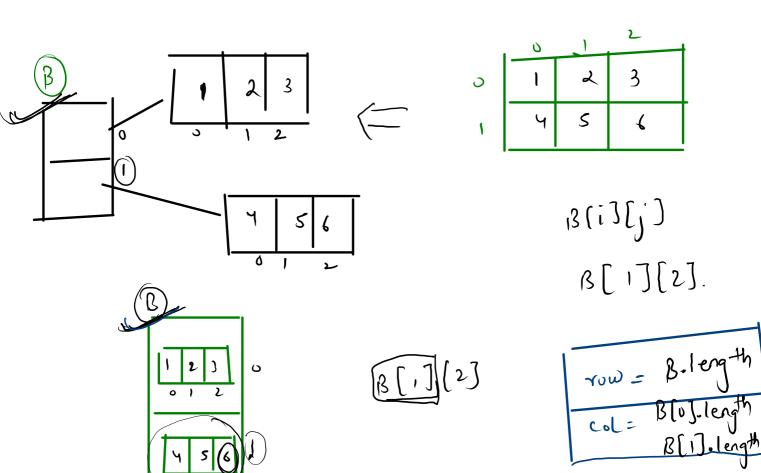
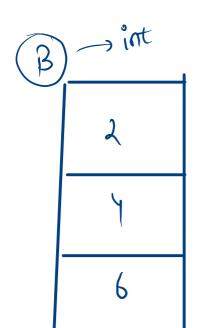
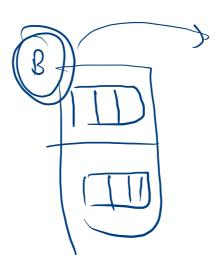
```
public class Main
         public static void main(String[] args) {
             Scanner scn = new Scanner(System.in);
             int [][] B = new int[2][3];
             for(int i = 0; i < 2; i++){
                  for(int j = 0; j < 3; j++){
                      B[i][j] = scn.nextInt();
                    n.out.println("Now printing output");
             for(int i = 0; i < 2; i++){
                  for(int j = 0; j < 3; j++){
    System.out.print(B[i][j] + " ");
                      tem.out.println();
21
```







len = 3.



Print the Matrix Row-wise

```
1 vimport java.io.*;
 2 import java.util.*;
 4 *public class Solution {
 6 *
       public static void main(String[] args) {
 7
            Scanner scn = new Scanner(System.in);
8
            int m = scn.nextInt();
                                             //row
9
            int n = scn.nextInt();
                                            //col
10
                                            //mxn matrix
11 ¥
            int [][] A = new int[m][n];
12 ₹
            for(int i = 0; i < m; i++){
                for(int j = 0; j < n; j++){
13 ₹
14 v
                    A[i][j] = scn.nextInt();
15
16
17
18
            //print
            for(int i = 0; i < m; i++){
19 ₹
                for(int j = 0; j < n; j++){
20 ₹
21 ▼
                    System.out.print(A[i][j] + " ");
22
23
                System.out.println();
24
25
26 }
```

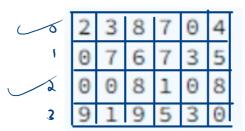
Print Alternate Row

Problem Submissions Leaderboard Discussions

Once upon a time, you found yourself in possession of a **2D matrix** that had some important data. However, you quickly realized that the data was spread out across all the **rows** of the **matrix**, and you needed to organize it. Your mission, should you choose to accept it, was to **print** only the **alternate rows** of the **matrix**, starting from the very **first row**. Are you up for the challenge?

You are given 2D matrix, your task is print the alternate rows of the matrix starting from the 0th row.







Sample Input 0

```
4 6 - C

2 2 3 8 7 0 4

1 0 7 6 7 3 5

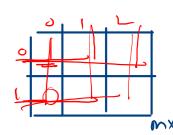
2 0 0 8 1 0 8

9 1 9 5 3 0
```

Sample Output 0

```
2 3 8 7 0 4
```

```
1 vimport java.io.*;
   import java.util.*;
4 *public class Solution {
6 v
       public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
           int m = scn.nextInt();
                                            //row
9
           int n = scn.nextInt();
                                            //col
10
11 v
           int [][] A = new int[m][n];
          for(int i = 0; i < m; i++){
12 🔻
13 ▼
                for(int j = 0; j < n; j++){
                    A[i][j] = scn.nextInt();
14 v
15
16
17
18
           //print
19 ₹
           for(int i = 0; i < m; i += 2){
                                                   //row
20 ▼
                for(int j = 0; j < n; j++){
                                                 //col
21 *
                    System.out.print(A[i][j] + " ");
22
23
                System.out.println();
24
25
       }
26 }
```



Print Upper triangular matrix 1

Problem	Culturianian	1 4	Dii	
Problem	Submissions	Leaderboard	Discussions	

In the world of finance, every second counts. That's why a young financial analyst named Maria is given a complex **matrix** of size **m** * **n** to analyze, she knows that time is of the essence. The **matrix** contains vital data that could make or break her company's fortunes, and Maria has to act fast to make sense of it all.

As she delves into the **matrix**. Maria realizes that the **upper triangle** holds the key to unlocking the data's secrets.

help Maria and create program that print the upper triangular matrix.

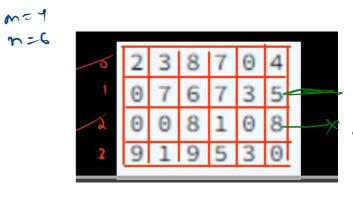
Sample Input 0

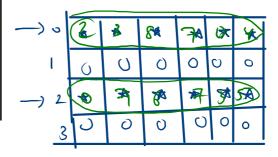


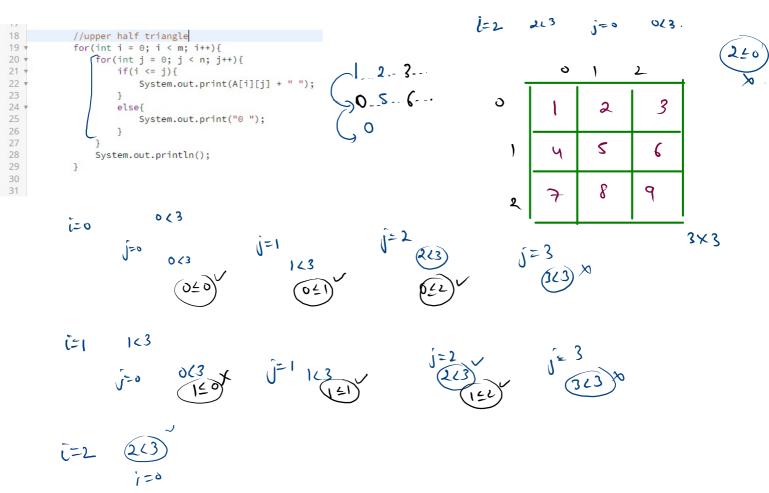
Sample Output 0

3 7 1

```
1 import java.io.*;
2 import java.util.*;
4 public class Solution {
       public static void main(String[] args) {
           Scanner scn = new Scanner (System.in);
           int m = scn.nextInt();
           int n = scn.nextInt();
           int [][] B = new int [m][n];
10
           for(int i=0; i<m; i+)
                                         /// ----- why not i+=2 here
              for(int j=0; j < n; j++){
                  B[i][j]=scn.nextInt();
14
16
17
           for(int i=0; i<m; i+=2){
              for(int j=0; j<n; j++){
18
                  System.out.print(B[i][j]+" ");
20
              System.out.println();
24 }
```







```
1 vimport java.io.*;
   import java.util.*;
 3
 4 *public class Solution {
 5
6
        public static void main(String[] args) {
 7
            Scanner scn = new Scanner(System.in);
8
            int m = scn.nextInt();
                                             //row
9
            int n = scn.nextInt();
                                             //col
10
11 v
            int [][] A = new int[m][n];
                                             //mxn matrix
            for(int i = 0; i < m; i++){
12 7
13 🔻
                for(int j = 0; j < n; j++){
14 v
                    A[i][j] = scn.nextInt();
15
16
17
18
            //upper half triangle
19 ₹
            for(int i = 0; i < m; i++){
20 *
                for(int j = 0; j < n; j++){
21 🔻
                    if(i <= j){
                        System.out.print(A[i][j] + " ");
22 *
23
24 ▼
                    else{
25
                        System.out.print("0 ");
26
27
28
                System.out.println();
29
30
31
32
33
```

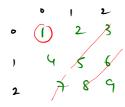
Print the matrix left-diagonal wise

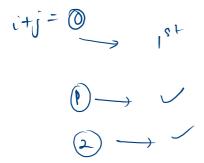
Problem Submissions Leaderboard Discussions

Once upon a time, you discovered a mysterious matrix that contained vital information. However, this matrix was a bit of a mess - the data was scattered all over the place, and you needed to figure out how to read it. Your task was to print the matrix left-diagonal wise, starting from the very first upper left-diagonal.

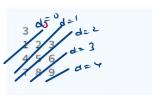
It was no easy feat, but with some clever problem-solving, you knew you could crack the code and uncover the secrets hidden within the matrix. Are you ready to take on the challenge?

Take a matrix of size n * n as input and Print the matrix left-diagonal wise starting from the first upper left-





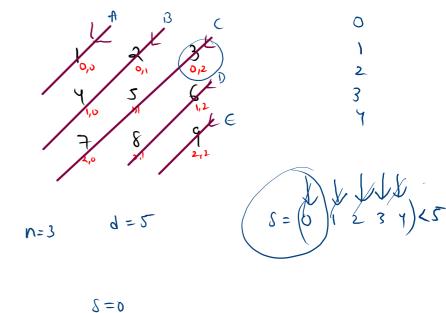
Sample Input 0



d=2+n-1

Sample Output 0

```
1 import java.io.*;
2 import java.util.*;
4 public class Solution {
      public static void main(String[] args) {
          Scanner scn = new Scanner(System.in);
          int n = scn.nextInt();
8
9
          int [][] A = new int[n][n];
          for(int i = 0; i < n; i++){
11
              for(int j = 0; j < n; j++){
12
                  A[i][j] = scn.nextInt();
13
14
          }
15
16
          int d = 2*n-1;
                               //total diagonal
17
          for(int s = 0; s < d; s++){
18
19
              for(int i = 0; i < n; i++){
20
                   for(int j = 0; j < n; j++){
21
                      if(i + j == s){
22
23
                           System.out.print(A[i][j] + " ");
24
25
26
27
28
29
30 }
```



$$n \longrightarrow n^2 = n^3$$