traversal in 2D away

```
int nows = aur. length;
int cols = aur. [07. length;
for (int i=0; i < rows; i++) i
       for (int j=0; j< cols; j++) {

Syso ( avor[i][j]+" ");
          Sysoln();
```

2 public static void main(String[] args) { Scanner scn = new Scanner(System.in); int rows = scn.nextInt(); int cols = scn.nextInt(); 5 6 int[][] arr = new int[rows][cols]; for (int i = 0; i < rows; i++) { 9 for (int j = 0; $j < cols; j++) {$ arr[i][j] = scn.nextInt(); 3 16 Н 12 } printMatrix(arr, rows, cols); i = 0, j = 0 (0,0)

public static void printMatrix(int[][] arr, int rows, int cols) { for (int i = 0; i < rows; i++) {</pre>

j=2 (6,2) i=1, j=0 (1,0) for (int j = 0; j < cols; j++) {
 System.out.print(arr[i][j] + " ");</pre>

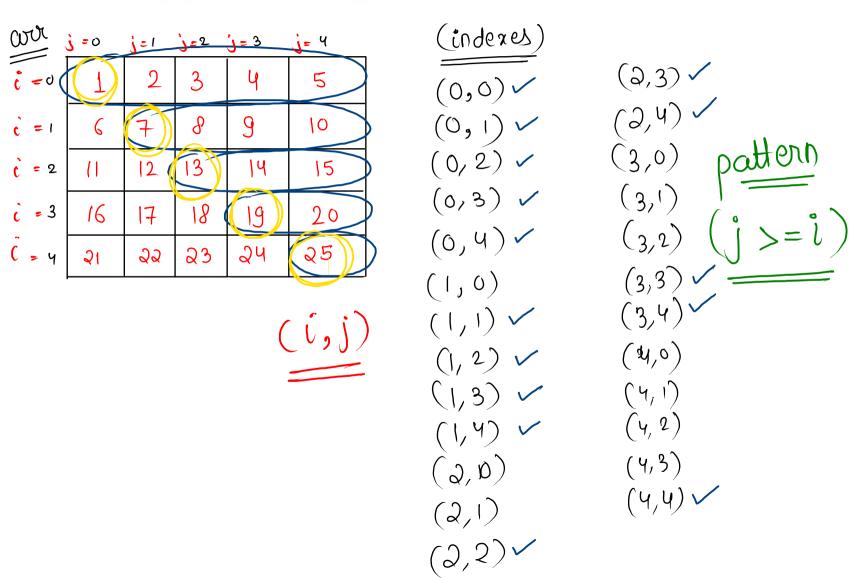
System.out.println();

T. (=) (yows * cols)

(n*n)

Print Alternate Rows

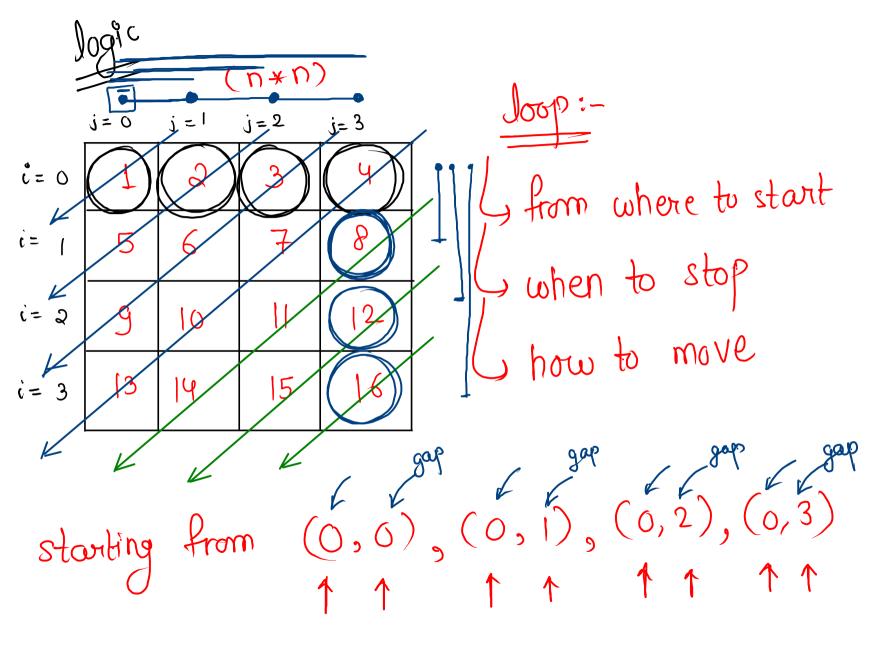
Print Upper triangular matrix 1



code

```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
   int m = scn.nextInt();
   int n = scn.nextInt();
   int[][] arr = new int[m][n];
   for (int i = 0; i < m; i++) {
        for (int j = 0; j < n; j++) {
            arr[i][j] = scn.nextInt();
   printUpperTraingle(arr);
public static void printUpperTraingle(int[][] arr) {
   int rows = arr.length;
   int cols = arr[0].length;
   for (int i = 0; i < rows; i++) {
        for (int j = 0; j < cols; j++) {
                System.out.print(arr[i][j] + " ");
            } else {
                System.out.print("0" + " ");
        System.out.println();
```

Print the matrix left-diagonal wise (left diagonal vight diagonal (i == j) Q 253694710



first part for (int gap = 0; gap < n; gap ++)
$$\xi$$

for (int i=0, j=gap; j>=0; i++, j--) ξ

Syso (avor [i] [j] + "");

secong

half

n=4

starting

(1,3)

(2,3)

(3,3)

1 1 = n

when to Stop

1 < 1

how to move

j--

```
code
```

}

```
public static void main(String[] args) {
     Scanner scn = new Scanner(System.in);
int n = scn.nextInt();
     int[][] arr = new int[n][n];
     for (int i = 0; i < n; i++) {
         for (int j = 0; j < n; j++) {
               arr[i][j] = scn.nextInt();
                                                                       \bot C = O(\nu_{s})
     leftDiagonal(arr, n);
public static void leftDiagonal(int[][] arr, int n) {
     for (int gap = 0; gap < n; gap++) {
  for (int i = 0, j = gap; j >= 0; i++, j--) {
    System.out.print(arr[i][j] + " ");
                                                                         S. (= 0(1)
  for (int gap = 1; gap < n; gap++) {
    for (int i = gap, j = n - 1; i < n; i++, j--) {
        System.out.print(arr[i][j] + " ");
}</pre>
```

1.W code aru 3 2 0 0 Q 3