

$\mathcal{H}$	Given	a	20	metrix	of size	NXM.
	Point metrix	the	, VOI	20 - a	Sum	NXM. of the

3×4 metrix

	0	1	2	3	
O	1	ما	<b>M</b>	+	→ (p
1	5	6	d.	8	→ &6
૨	9	(0		N	→ 42

Solo Iterate all the rows one by one.

Code

void sun Rosa (int met[N][M]) &

for (i=0; i<N; i++) d N Svm = 0;

for (j=0; j<m; j++) < M

Sum = sum + metliss(j);

print (sum);

 $T.C. = O(N\times M)$ (1)0 = 0.8

Given a 2D metrix of size NXM.

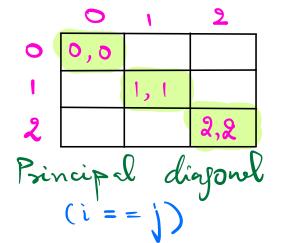
Print the column-wix sum of the metrix

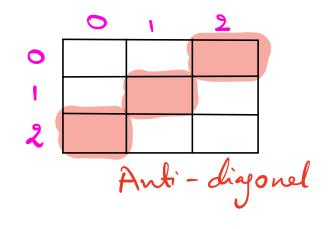
3×4 metrix

$$T.C. = O(N\times M)$$

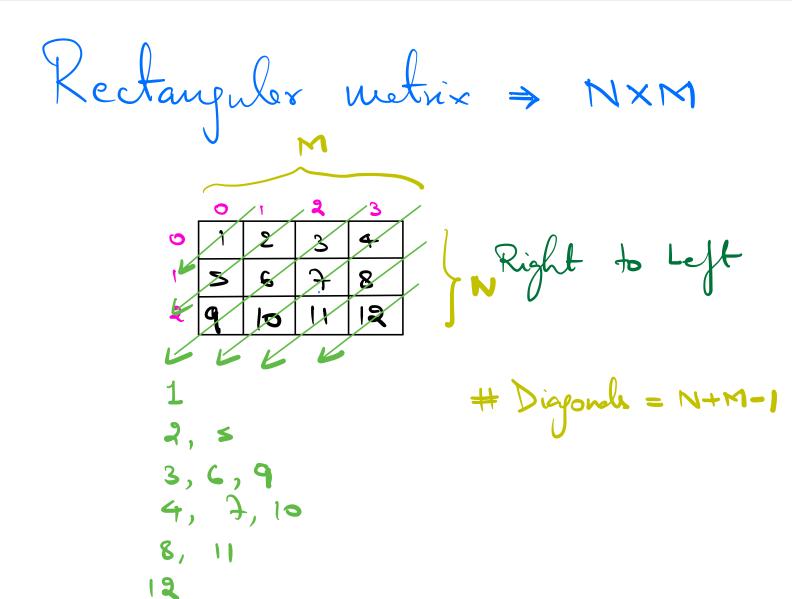
$$S.C. = O(1)$$

Given a squere metrix of size NXN Print all the diagonal elements from left to right.





$$T C = O(N)$$



$\Theta$	Given Conver	a	Sque.	e mets	i 🕶	el N	× N.	
	Conver	$oldsymbol{\ell}$	the	metrix	4	0 72	trans	$\infty$ Se.

Code

temp = met[i](j);  
met[i](j) = met[j](i)  
met[j](i) = temp;  

$$T.C. = O(N^2)$$
  
 $S.C. = O(1)$ 

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b

	9	•	٤	3
0		2	N	4
1	>	G	+	8
2	9	0	=	12
3	13	4	15	16

	9		2	3
0	1	5	g	13
1	2	6	0	14
2	3	¢	=	15
3	4	8	2	16

	9	•	2	3
0	13	0	n	
1	14	0	J	2
2	15	1	4	3
3	16	7	8	4

$$0 \rightarrow N-1$$

$$1 \rightarrow N-2$$

2 rans pose

) Helse transpore of meter N2

2) Reverse each row. N2

 $T.C. = O(N^2)$ s.c. = O(i)

Intervier bit Leetlode Geeles for jeeles

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i=B-1 j= N-1 fr (K=0; KCB; K++) ~

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