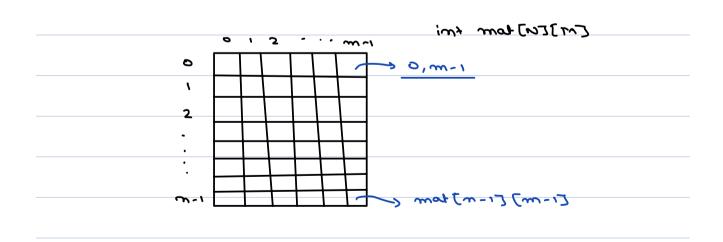
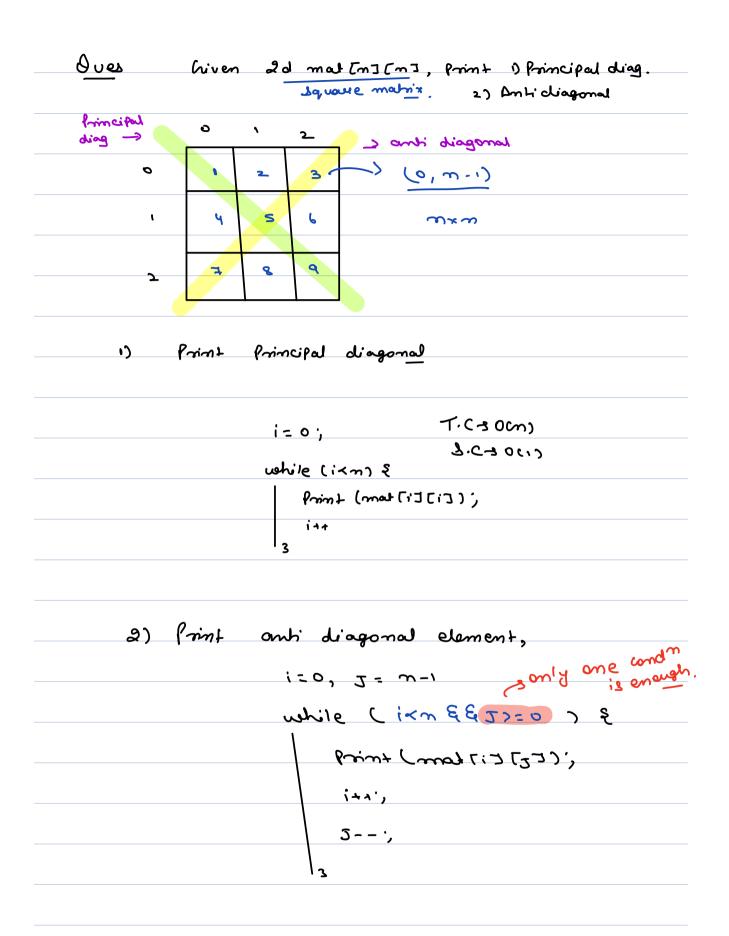
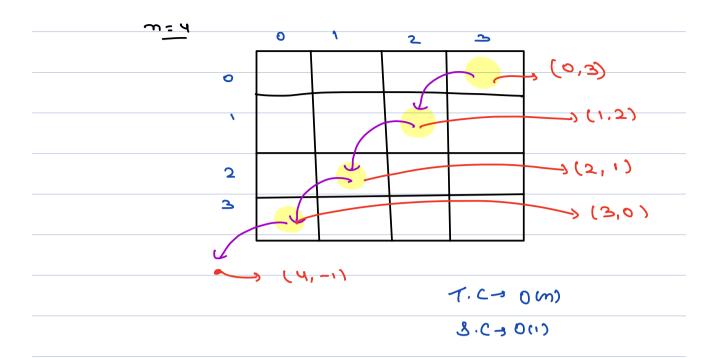
	- Id array, rectangulau grid, where each numbe
	is an element.
tom tri	ENJ[m]',
$^{-}\tau$	Lyrony coly
Type	
Van	riable name,
	٥ ،
•	TEI[E] 400
_	(33(3)
1	9 elements
5	



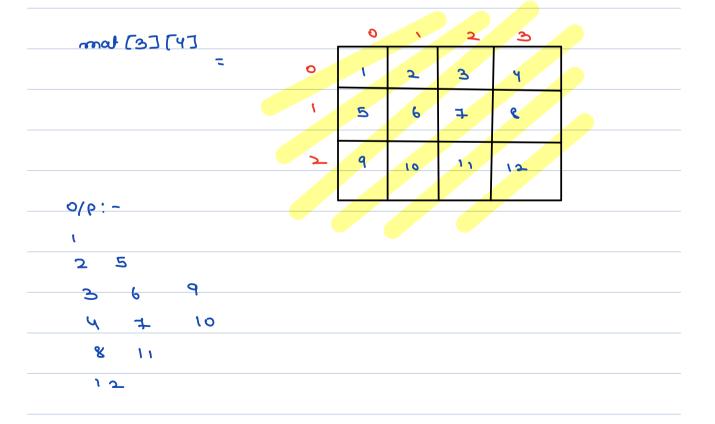
0 u <b>es</b>	2d matrix [w][m], Print row wise Jum.
_	
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
•	1 2 3 4 ]
- FU7 FG7 40 m	2 6 7 8 2 6 N 2 6
(93 ( 1, 1 =	42
<u>s</u>	9 10 11 12
	7.C -> O(mm)
	for (1=0; i <n; b.c-30(1)<="" i++)="" td="" {=""></n;>
	for (5=0; 5 < m; 5++) &
	Sum += mad [13[3];
	3
	Print (bum).

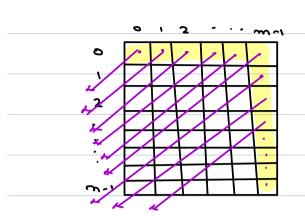
<u> </u>	2d mahix [w][m],	Print Col wise Jum.
mat [3] [4]	2 9 10 11 12 0 1 2 3 4 0 1 2 3	21 21
	•	3. C= 0(1).
	Jam=0;	+= mat [sous] (col];
	bount (ram.	





Ques given 2d matrix nxm, frint all the diagonals from right to left.



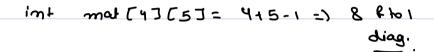


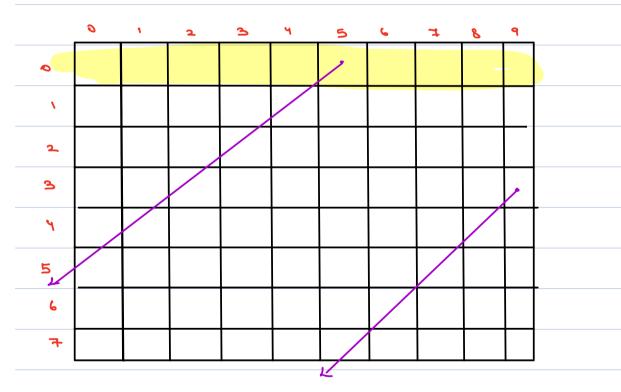
[m][a] tom tmi

M+W-1

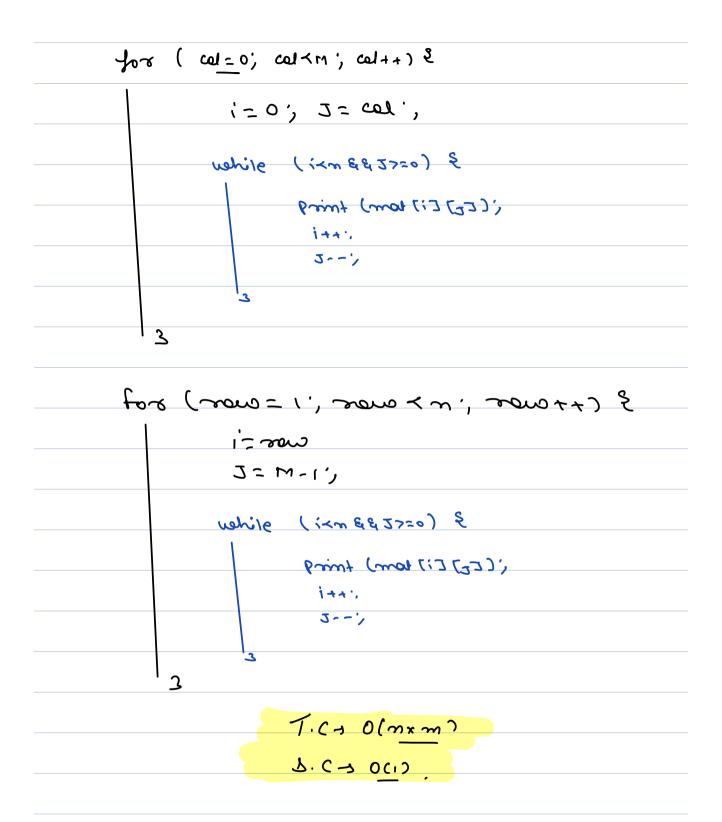
U

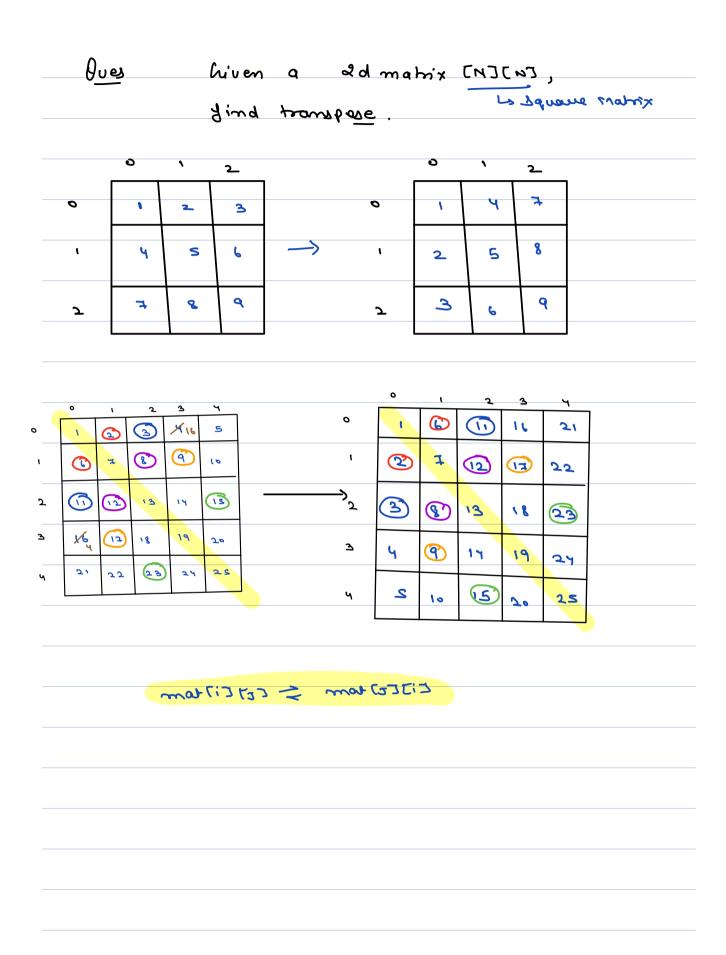
R to 1 diagonals



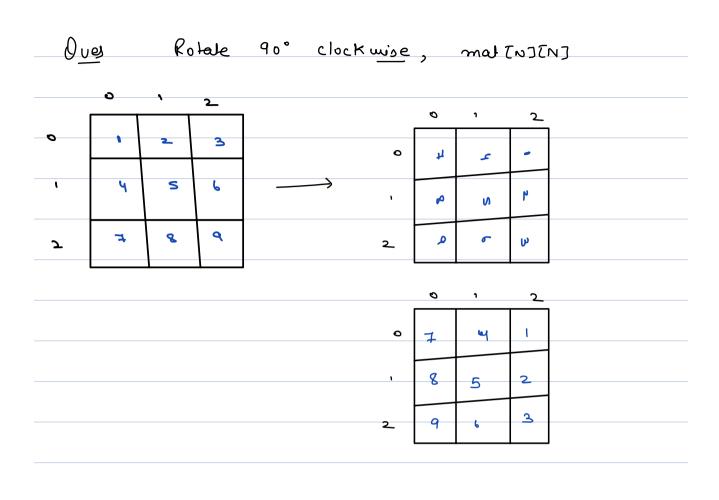


 $(0,5) \to (1,4) \longrightarrow (2,3) \longrightarrow (3,2) \longrightarrow (4,1) \longrightarrow (5,0) \longrightarrow (6,1)$   $(3,4) \to (4,8) \to (5,4) \to (6,6) \to (4,5) \to (8,4)$ 

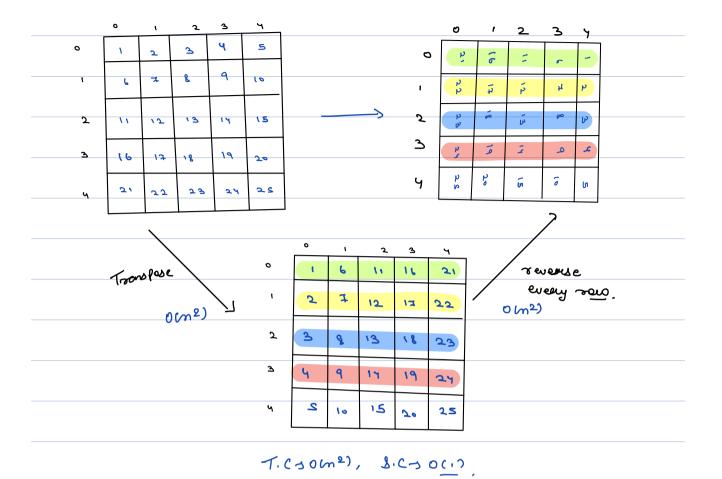




for (i=0; i <n; &="" (3="i+1;" 5+1)="" 5<n;="" busp(mat(i3[5];="" i+1)="" mat(s]);<="" th="" tor=""><th></th></n;>	
\ <u>3</u>	
0 1 2 3 4	
0 (1 2 3 4 5	
1 6 x 8 9 10 10 (2 m-1) m-2	
2 11 12 13 14 15 2 (3 m-1) m-4	
4 21 22 23 24 25	
m-1 - 0	
1+2+3+··· (m	
1+2+3+(m-1)	
$(m-1)m = 0 (m^2)$	
$\frac{1+2+3-m + m + m + m + m}{2} \qquad \frac{(m-1)m}{2} = 0 m^{2}$	
\$.C30(1)	
<u> </u>	

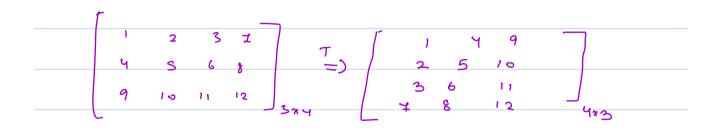


_	0	١	2	3	٩			စ	•	2	3	ሃ	
0	V	2	3	7	5		0	'n	9)		-	_	
-	6	ユ	8	٩	(0		ı	رم در	Ţ.	Ď	ħ	Р	
						>	ð	p	í	-	po	b <sub>2</sub>	
_ <del>J</del>	- 11	15	13	14	\5			כט		υ		D.	
3	16	12	18	19	20		3	P	19	Ĩ.	۵	4	
							4	b h	٩	Ú	10	Ŋ	
<u> </u>	5,	33	J 3	24	25		l						





7 7 7 7 7 7 7



```
| 10, 20, 30, 40, 50
| PF()= 10 30 60 100 150
| SF()= 150 140 120 90 50
| OF (i)= Sum (i to m-1)',
```

1 10	
diff b/w m+m,	J) * J)
for (i=0; i <n; i++)="" td="" {<=""><td>for (=0; i<n; i+1)="" td="" {<=""></n;></td></n;>	for (=0; i <n; i+1)="" td="" {<=""></n;>
•	40.0 (120) 111) /44) [
frim+ (-) /110 times	
3	for (i=0, i <m; i++)="" td="" {<=""></m;>
_	frint (-)
for (i=0; i <m; i++)="" td="" €<=""><td><b>,</b></td></m;>	<b>,</b>
•	2
frint (-) 115 times	3
3	Mam
n+m	=) 50 himes
**	-> Do umel

=> 15 times

$1+2+3+\cdots m = m(m+1)$
5 (S+1) -2
10 10 40417
$(m-1)$ $(m-1+1)^{2}$ $(m-1)$ $(m-1)$
2 2
=) (m <sup>2</sup> -m)
$\frac{m^2}{2} - \frac{m^2}{2} = 0 $