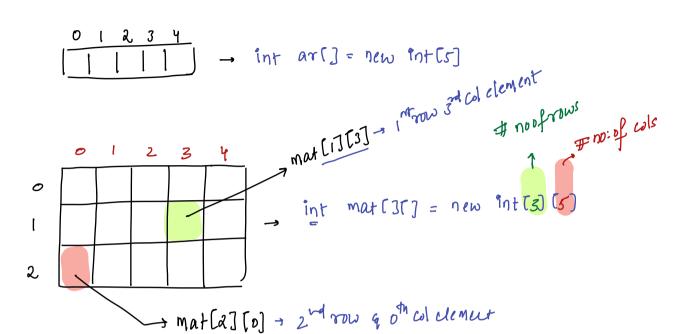
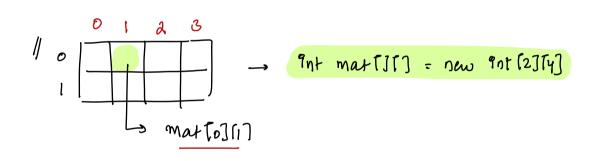
Today's Content:

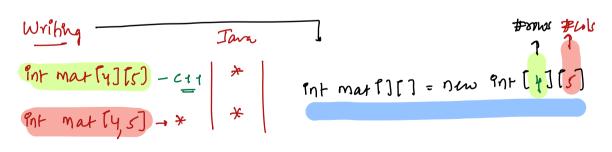
- 2D mahrn syntan
- Problems
 - · Print values row by row
 - · Print value col by col
 - · Allength, A[o]. lugth
 - · YOW WISE SUM
 - · COI WIK SUM
 - · Check of AIT[] is identify matin a not
 - · Add a matrea return recult
 - · Multiply 2 matrices return result
 - · Return transpor of given ATTT7 (If the permits)

// Syntam:



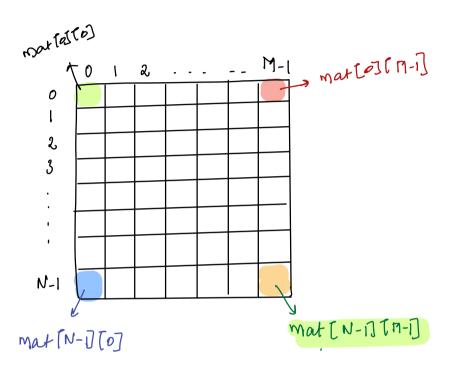


11 Need mation with 4 rows q 5 columns



I Create matter with N rows 4 M Columns

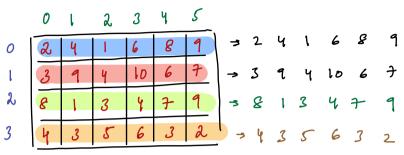
9nt ATITI = new 9nf[N][m]



Int mat[][] = new int [][Y] - In Input class & gran row by row

	0	t	2	3
0	3	2	6	7
1	9	4	7	3
2	2	9	3	6

// Gilven a matren prent data row by row



for matrice growing already gaven / Mat[r][c], print dan now by now

i - indicating row, j - indicating col

for (int 1=0; ix r; 1=1+1) 2

for (int j=0; j < c; j=jei) i

System, out. Print (mattij[j])

3

System, out, frinth()

Int mat(IT) = new int [4](1) \rightarrow output by output:

Date is realed in mat

2 3 8 4

4 9 1 3

1 4 3 5

1 4 3 5

1 1 4 3 5

1 1 4 3 5

1 1 4 3 5

1 1 4 3 5

1 1 4 3 5

1 1 3 9 9 10 6 7

2 8 6 7 3

mat [4] [1] -> Emm/ Out of Bounds/

 $Mat[0][s] \rightarrow 9$

3

mat(0][6] + out of bounds

for (int j=0; j=6; j=1) {

/ print jth col

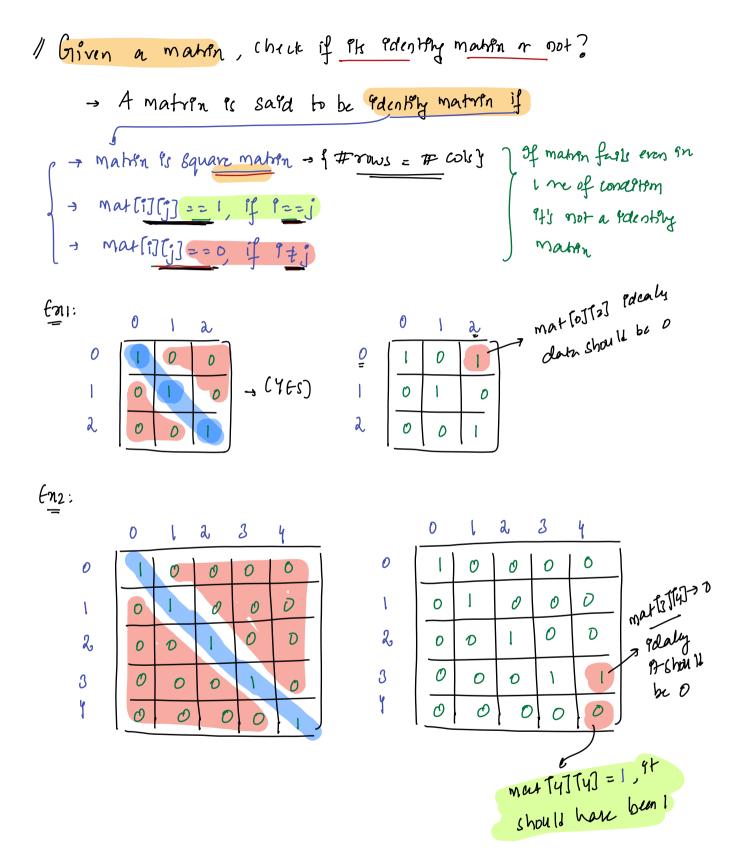
for (int j=0; j=6; j=1) {

/ print (int j=0; j=1) {

/ print (mat [i][j]) = introver

g print (mat [i][j]) = zrd var

9792



```
is Identity (int AMM) we are getting matrin as parameter how to get almossims?

Int r = A. lagth; It will given no: of volume

Int c = AMD. lagth it will given no: of whemme
```

```
PSVM() {

Int mat()[) = new mat(y)[y]

Ready Input

boolean ans = is Identity (mat) passing mat(n) as a parenter

parenter
```

1) Given 2 matricu 4[][] & B[][] add & return new matrix Note: We an only add a matrice of their dimensions are same Notez: In giran Questra plean assume both have same demensions ยา1: ____ c [3][3] A[3][3] + 01 [3] [3] Z 11 Eni: AGJTY] + OTAJTY] -> * I not possibly return type to return on intility Dad (Port ACITY), Port BCITTY) 2 Port (1) makon int r= A. length Int c = ATOJologin Int c[][] = new Int[r][c] for (Int 1 = 0; [xr; 1+1) { for Lint J=0; J<0; J=0) L C[i][J] = A[i][j] + D[i][j]// We shall return resulted matrix

11 Given 2 matrices A[][] & B[][] multiply both of them & return from mar[][?]