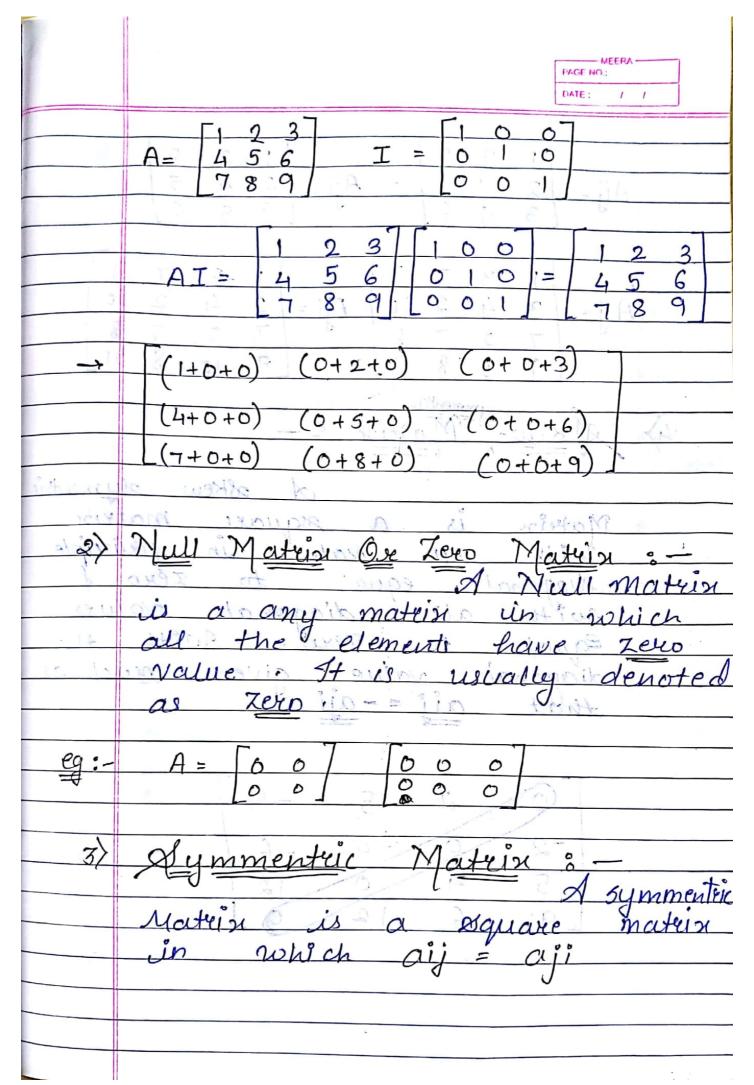
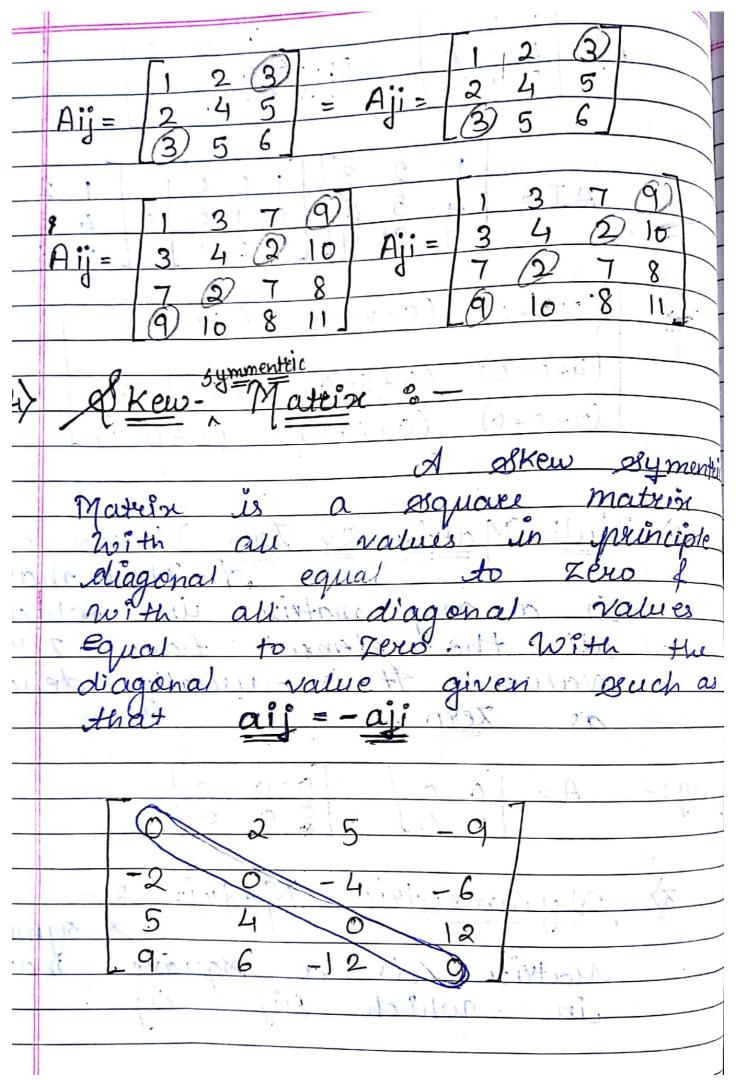


A= [aij] is short hand notation exten used when one wishes
often used when one when
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ayo to be sepresented. Where
dre to be represented. Where the 1st subscript [i] denotes
the 'Row no.' of the [j] denotes
the column no in of the
array. Thus if one weites
da one is referring to  the element 3red row &
4th solumn.
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1) Unit Or Adentity Matrix: -
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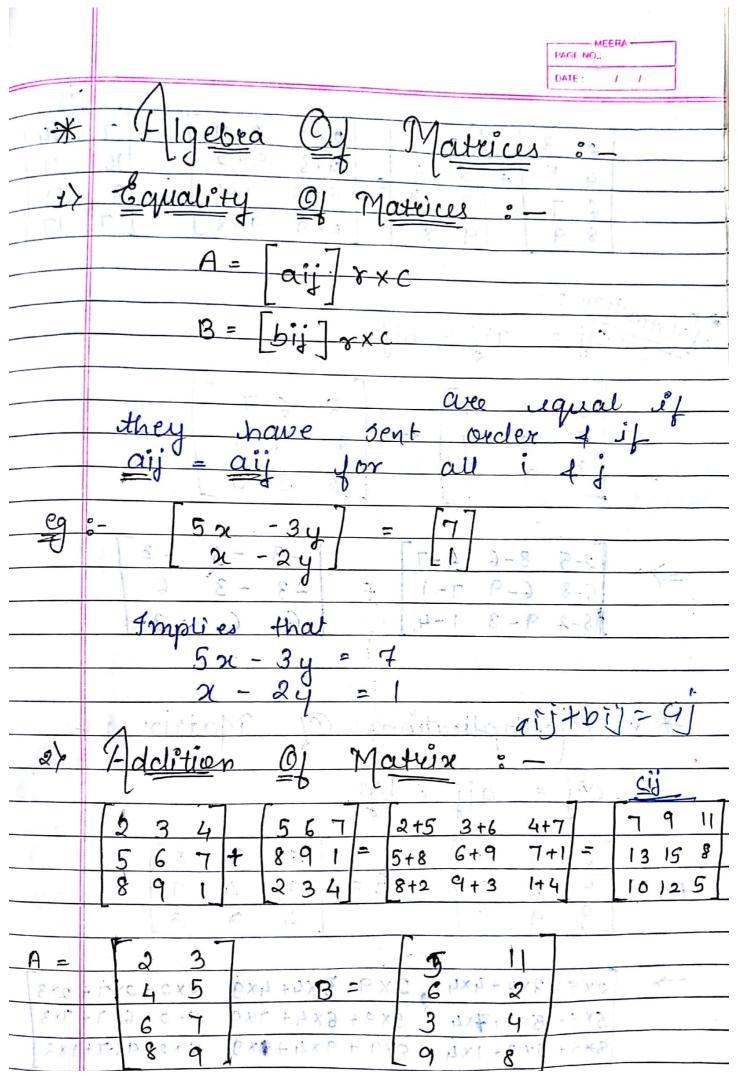
5>	Teansposed Matein:
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er min	columns A bute preserving
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	of AT; while second Row  of A becomes second Column
	of A becomes the dast
	Column of AT. In terms
rd.	In himaijThe aji schuld
***	Ahou Rivous find 6 Column then at will have Corow 4
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7	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	TO FIAT.

	1 5
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wil.	5 6 7 8
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À	A J. Penning & Maringson
6>	Dingular Mateix :-
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1111	Making A is sould to be
	a singular Matrix if determi-
4.	it-not to 0.
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+	of A Levennes who sha
<b>☆</b>	Non- dingular Matrix
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	= 2 (0-2)-4 (9+4) \$1(3+0)
	3.02 = -4-5.2+3
	$\begin{bmatrix} -2 & 1 & 3 \end{bmatrix} = -44 - 1 - 52$
	IA + D =
	[A] + 0 =

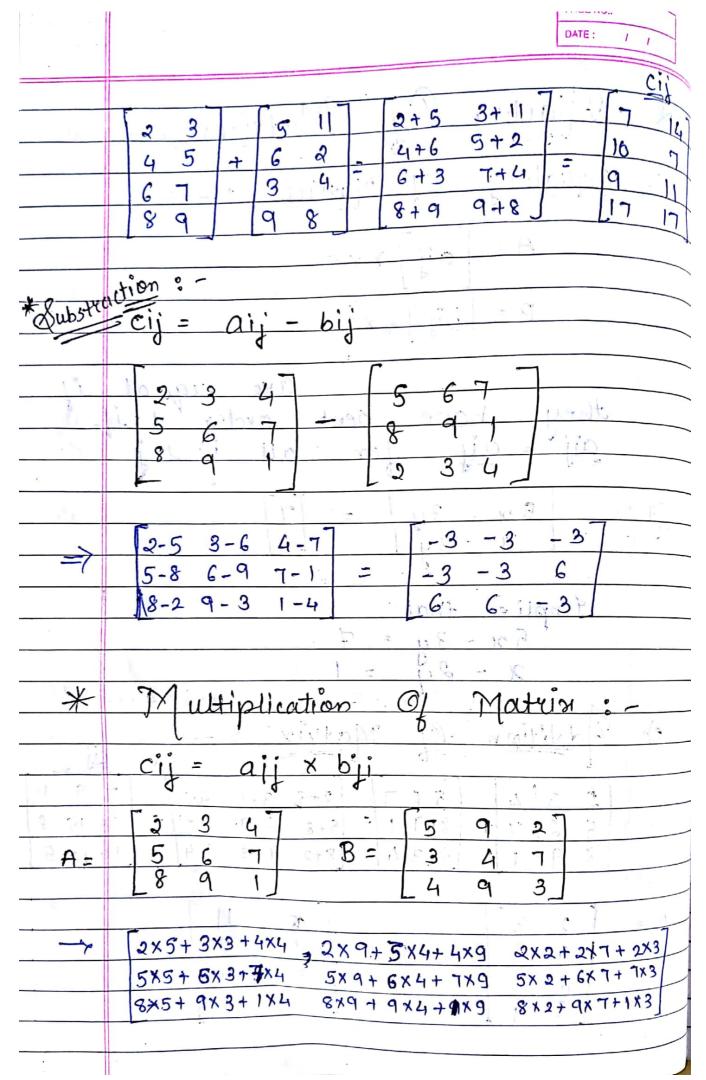
8	Square Mateix  Same no. of row of Columns.  The order of square mateix  is of the form nxn: And  Mateix will be refer  Mateix of Mateix  Mateix of Mateix  Mat
eg:	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Note:	Kemark: —  Ret A = [aij] nxn Here,  Square matrix of column  N then element a,, a,

W 100 2	
2	Element aii # 15 1 de coilled
· (	not diagonal clement of
11.	Clement aij & j' are railled not diagonal clement of matrix d'a'
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3)	where i <j above="" aij="" diagonal.<="" elements="" represent="" th="" the=""></j>
	where is represent elements
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ater	below the diagonal.
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	- O MARINE CIONICO
9>	Scalar Matrix:
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	in which all the diagonal
	elements are equal is called
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4	0 3 2×2
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	AT B	18
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2115	A matrix having only one	On 22
	is called as a row matrix. I	+ 10
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		30
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25 + 18 + 28 45 + 24 + 63	10+42+21
L40+27+4 72+36+9	16 +63+3
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	[ 45, 50 55]
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7	A = 3 5 S= 3 A Find SA
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