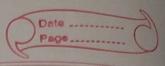
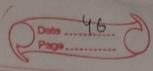


* upper triangular Matrix $M = \frac{1}{2} \frac{1}{2} \frac{2}{3} \frac{4}{4} \frac{1}{4} \frac{1}{4}$ 001 row major -> same of column major formula of lower triangular matrix Index (A(i)[i]) = 4[n+n-1+n-2+--+n-(i-2)+(j-i) m = n x(1-1) - (1+2+3-(1-2))+1-1 = $(n \times (i-1) - (i-2)(i-1)) + (i-1)$ = nx(i-1) - (1-1)(i-2) + (i-i Column major Index (A[1][j]=[1+2+3+---+j-]+1-1 = 10-1 +1-1



*	Symmetric Matrix
0	A= [2 2 2 2] 2 3 33 2 3 44 2 3 45 if M[i,j] = M[j,i] [3 3 45]
	you use any Cupper or lower Triangular Matris and settive others-
*	Tri diagonal matrix Alixi]
()	A = [1 8 0 0] Main diagonal (i j) = 0 5 2 9 0 lower diagonal (i j) = +1 0 6 3 10 Upper diagonal (i j) = -1
	Klower > K main Kupper
	index = i-2 $main = (n-1) + i-1$ $upper = 2(n)-1+i-1$
	no f element
	The state of the s



	Page
V	Square bound matrix.
*	
	0003
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	Toepitz Matrix
*	
-	M= (1 · 3 4 6) -> ro telements = n+(n-1)
	M = (1 · 3 4 6) -> no telements = n + (n-1)
	5 2 1 · 3 6 5 2 L 173 ° 72 ° 7 = 1 A = [1] 3 [4] 6 72 [5]
	6 5 21
	193°62 °9=1 A= 113/4/672/5/67
	Index CACiJCj])
	case 1: if it it top row
	Index = j-1
	(a) 2 ; if i > j = n
	Index = n+i-i-1
*	Menu driven program for any of matrix
) , , , , , , , , ,
*	Meno driven program for any matrix
	using function.
4	write all matrices using (+1 class