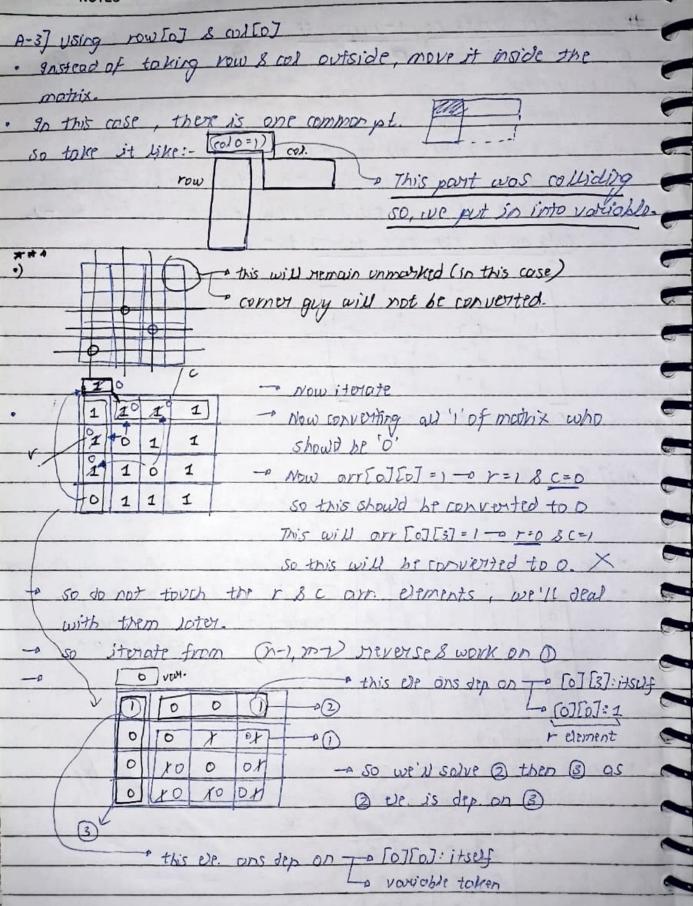
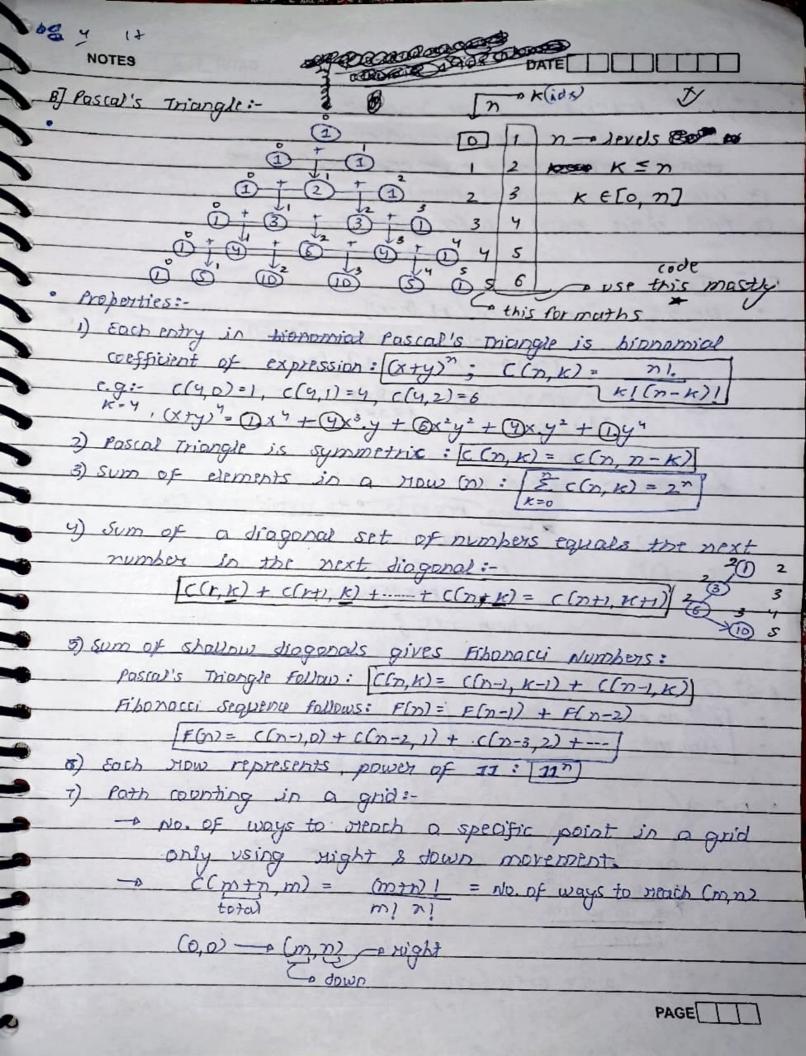
PAGE





Code

TC = OCY)

SC= D(1)

B-1] (1)

· 3 Types of Problem's on fosal Triorge:-

(2) Print any now of Postal D.

@ Given now & column, find dement.

(3) Print entire Postal a for given n.

Sement = ncr = n1/11 (n-1)!

some en ce consequence to do con mines

TED= 7x6, "= 10x9x8=

	DATE
eropen's on fosal trionge:-	
now a column, find dement.	
ecetoreperate to de considerate	eco.
1 - now of Postal b.	
tire possal a for given n.	
= ncr = n1/1/6-11	
= n (n-1)(n-2)(n-3)(2	FII
((r) (r-1) (r-2). 3.2.1.) (Der)	7
$7\times6$ , $(6)=10\times9\times8=11$ $2\times1$ , $2\times1$ , $2\times1$ , $3\times2\times1$ , $3\times1$ , $3\times1$	2 3
e - Find nCr (intn, intr) {	
long res =1 to ove	
ror (inti=o; i=r; i+t)	) 5
) res = res * (n-i);	
res = res/(i+); ?	
netwin nes; ?	
311 182 (1 - 222)	
- N elements 1	
8-1-	now & colmn no of
element (1-	
0 1 2 3 4 3	
\c=1 \z \3 \4 \\$	
C=1   Z   3   4   2   3   4   2   3   4   2   3   4   3   4   3   4   3   4   4   3   4   4	5 x 4 x 3 x 2
C- 4 C SYY SYY S	C-14x2 X 2

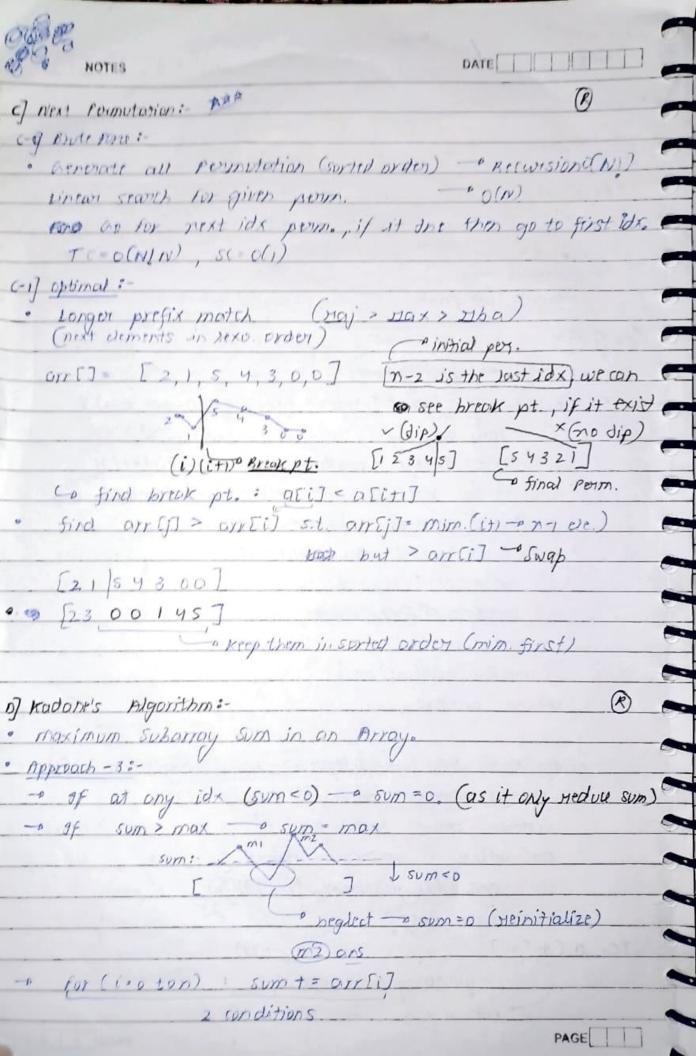
netwin mes; 3 B-2] (2) . IN TOW - N elements. Gement = R-1 Cc-1 10 · r=6 -) C=1 5xy 5xy x 3 5xyx3 x 2 1x2x3 Y 0 - Wasted idx of column

ans = onsx (row-col)

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for n MOW



DATE
- To print the max sum subarray (can be more than one
for if (sum == 0) start=i ; we are having new start
if ( sum > max) ansstart = start, ansend = i, i
this keeps track of subarray
E] sort on array of 0s, 1s & 2s: - (Optimal Approach)
- An array contains only os, 15, 25. Sort the array in-place.
Dutch National Flag Algorithm: TC=O(N), SC=D(1)
· Use 3 pointers:- low, mid, high sorting one ele at each
· 3 RUJES:- [0, 10W-1] - 0 extreme left
[10w,mid-1]-1
sem: [hight] n-17 - 2 extreme right
0 - 10w-1, 10w mid-1, mid high, high+1, - m-1
0 0 0 0 0 0 0 0 1 1 1 1 (unsorted) 2 2222
Sorted Shrest 1
arr[] = [0,1,1,0,1,2,1,2,0,0,0]
orres to 1,1, of 17, of 1
- initially unsorted
- In terms of almid] (also write in-terms of alhigh)
En arr[mid] = 0/1/2 as they are part of unsorted
arramid = 0
swap Caslow ]. a [mid]) low ++ mid ++;
arr [mid]=1 -0 mid ++ size of leftmost negion inchesss
orr [mid] = 2 size of nighmost negion T.
swap (asmid), ashigh]) high;
Dry RUD :- above orr
10W = PP 2 3 19 15
1 - 1/12/14/8/8/8/8/9/
mid bigh = 10 mid > high = ) arr is sorted
high = 00 PAGE TI

DATE	 Ш_	

Stock Buy & Sell: Given: arr [] prices - prices [i]: price of a stock on it days

choose a different day to see stock