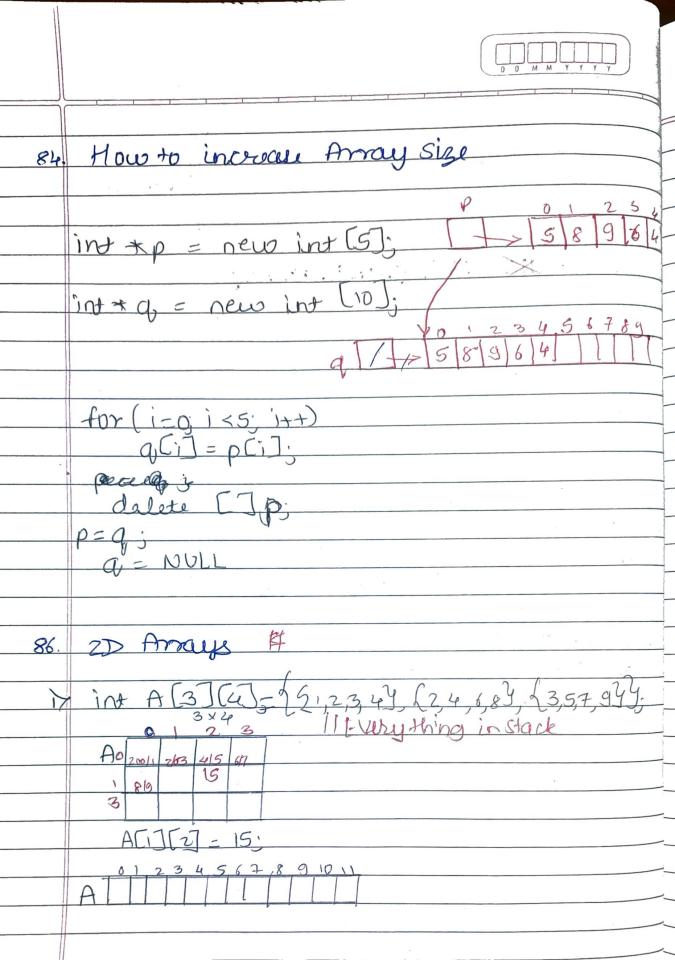
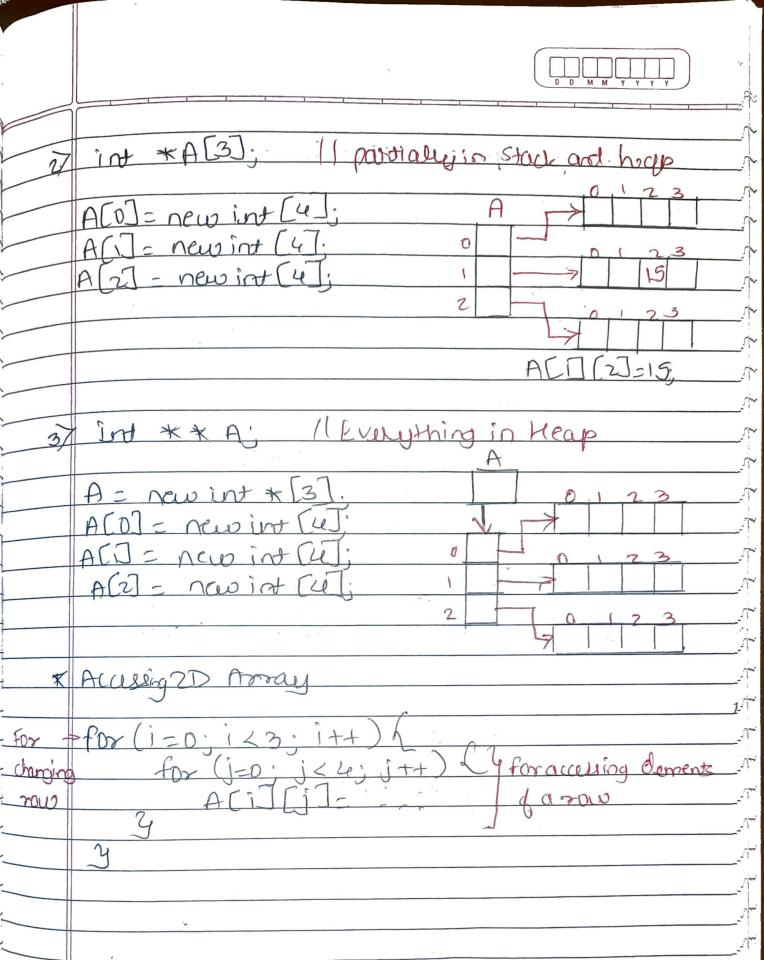
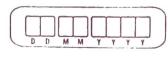


	printf ("').d", A[2]). printf ("').d", 2(A]). printf ("').d", x(A+2)).	1
	Drintf ("1.d" 2(AT).	
	2-in+f (66-1 d") * (A+7)).	for printing
	(18 11 07 2) . 01	
	Chally 120 Dunganiy A	
82	Static VS Dynamic Array	
Caly	void main Oh	5
for C	- int ACS); Heap	500
	intn;	
for C++	7 Cin77N;	
1	Lint B[n]; Stack	P
		A
	int *p;	
for C+		main
1 for (= p=(int*)mallor(5* Sellia	main
2107	size of (int));	-
	A(D)=5'	
2-	(++ > delbte CJ P;	نو <u></u>
for	(7 frer (D)	
for	1 TOTTY)	<u>1</u> -
<u> </u>		



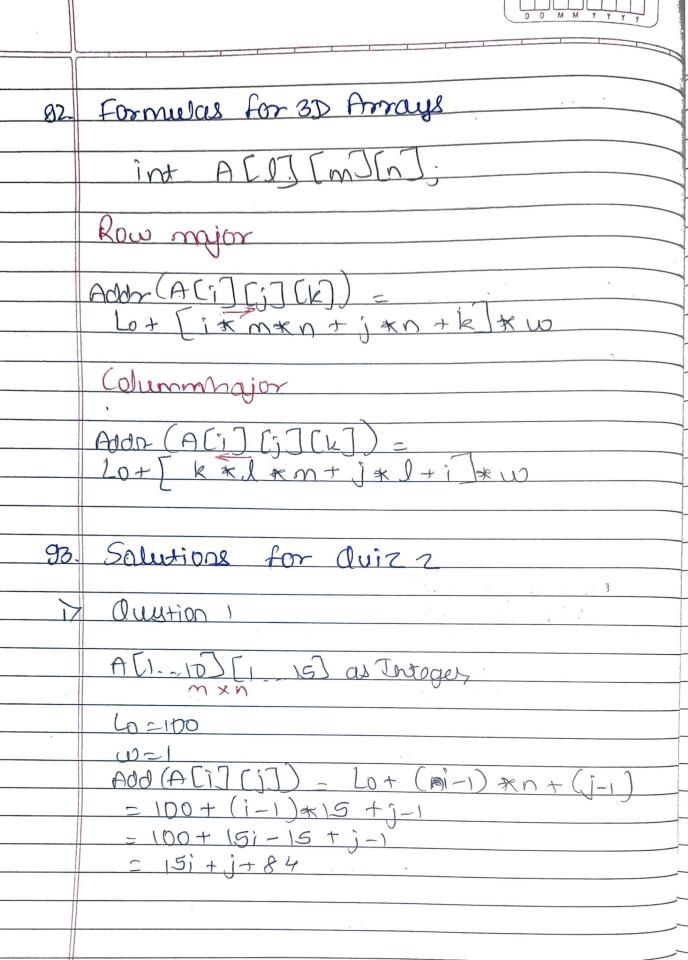


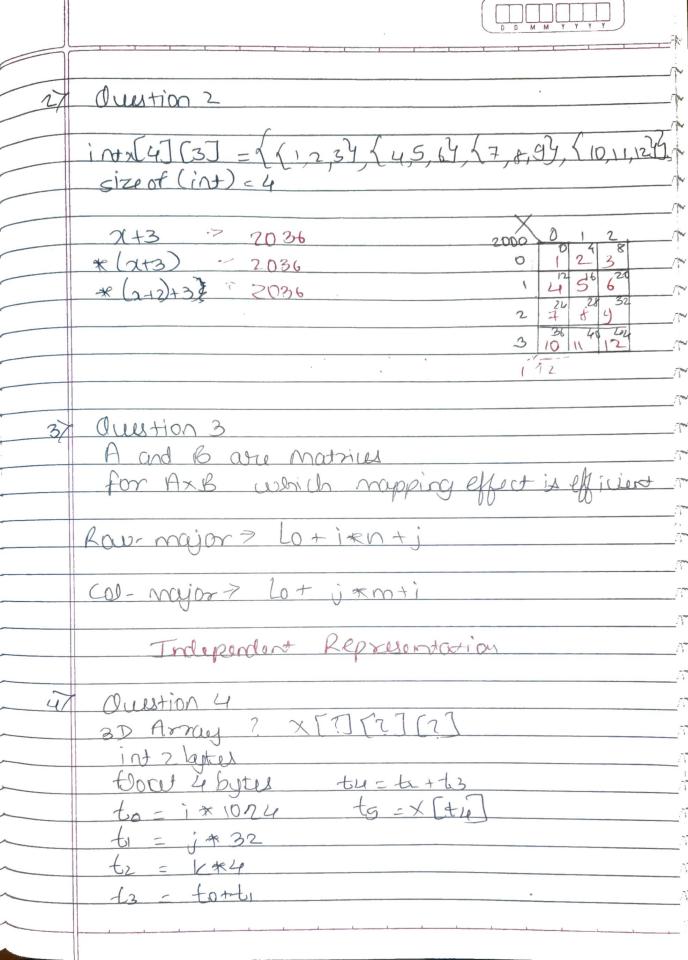


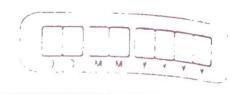
89 Row Mayor Formula for 2D Array int A[37[4]; A 0 400 901 902 903 1 90 911 912 913 2 920 921 922 923 rows rous 7002 A(1](2) = 10; Add(A(1](2)) = 200+[1×4+2] *2 = 200+6*2 -212 Add (A[2][3] = 200 + [2×4+3] *2 Add (A [i][i]) = Lo+ [i*n+j]* w Fastur Addr (A[][]) = lo+(1-1)*n+(1-1) * w

90	Column Major Formula for 2D Amays		
	int A[3][4].		
Lo	A 900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
	Addr (A[1][3]) = 200 + [2*3]+1] *2 = 714 Addr (A[1][3]) = 200 + [3*3+1] *2 = 220		
	Addr (A[][j]) = Lo + [j*m+i] * 20		
91	91. Formulas for no Arrays		
	Row-major Row-major		
	Addr (A[i][i][i][i]] = Lo+[i *d2*d3*d4+i2*d3*d4+i3*d4 +i4]************************************		
	For a dimension array $nD = n-1+\dots + 3+2+1$ $-Lo + \sum_{p=1}^{2} p + T dq \times w = n(n-1) + 2D + 6$ $P=1 q=p+1$ $= O(n^2)$		

Column-major, Addr (A[i][i][i][i]]= Lo+[i4*d1*d2*d3+i3*d1*d2+i2*d1+i] for andonistor acras -dc0+ Rav major Optimized Horners Rule = LD + 14+13de+12 * d2 * d4+1, *d2 * d4 + 1 = lo+[i4+d4*[i3+i2*d3+i1*d2*d3] *w -lo+[i4+d4x[i3+d3*[i2+i,*d2]] x w 4D73 D 71-1 7 O(n)







Type X[1] [m][n]

Add (X[]][][[]) = 40+[i*m*n+j*n+k]*w - L0+ [*m*n*w+j*n*w+k*w

W=4 n=8 m=32

1xw=32 mxnxw=1024

m = 1024 = 32n = 32 - 8

Doat x[?][32][8]