L12 (C++) Multi-Dimensional Arrays

Join Discord - https://bit.ly/ly-discord

Warmup questions

- 1. Insert/Delete elements:
 - a) In the end of Array
 - b) In the beginning of the Array
 - c) At a given index

(how many ell capacity - 10 ar[j+1]=015) (no of ele) size - 0 @2 (j+j): 01 (j) = 10; (++; as[i] = 20; j + +', LearnYard

1 /2 /3 /a / 9/5/ / 0 1234567 HW = insest at given indesc. delets at given indesc

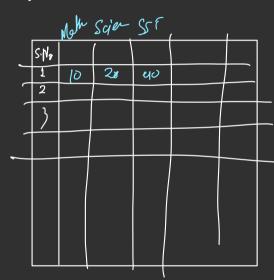
Multi-Dimensional Arrays

When we studied 1D Arrays



What if not just 1 subject?







Declaration Student_marks [6][5]; 6 Students 5 Subjects Coulse Or [i] ; 02[3][2] Cout 11 ar [i][j] ar [5][1]



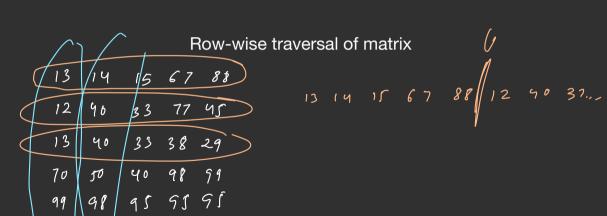
Declaring and initialising at the same time

Accessing the elements



Let's get started with problems





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Column-wise traversal of matrix

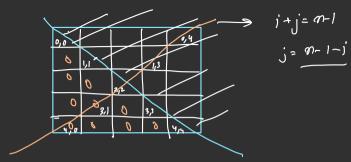
13 12 13 70 99 43 14 40 40



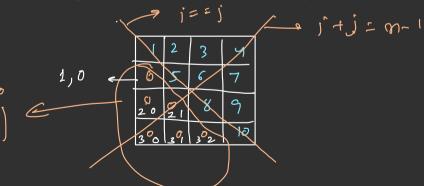
Print sum of elements for:

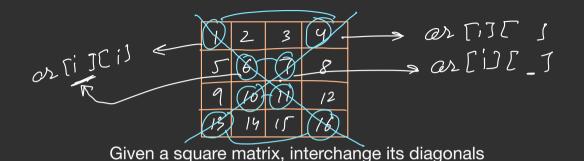
- a) Each Row
- b) Each Column





Check if given matrix is an upper triangular matrix?





| Ч | 2 | 3 | |
|----|----|----|----|
| 5 | 7 | 6 | 8 |
| 9 | ι1 | 10 | 12 |
| 16 | 19 | 15 | 13 |



Thank You!

(Reminder: Keep Practicing)

