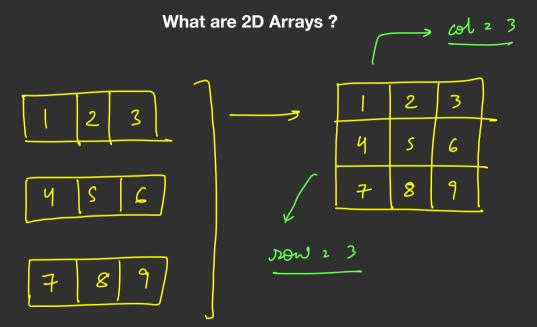
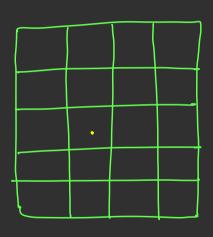
L9 2D arrays



Use-case of 2D Arrays



- Marko s Student

-> Chessboard

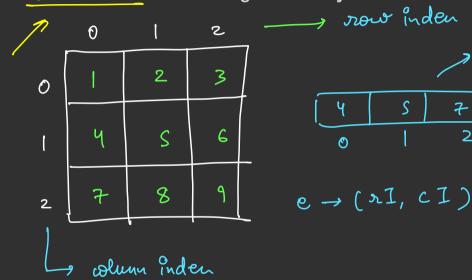
- Robot / Maze

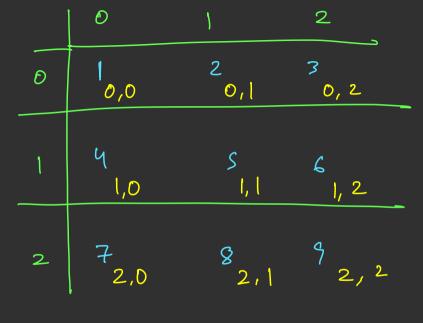
Declaring different 2D arrays



an[r][c]

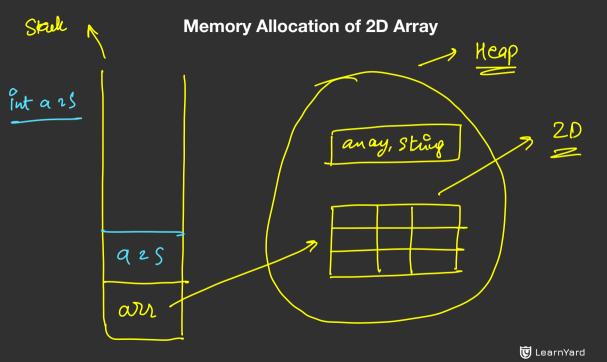
Element Access in 2D array and Indexing in 2D array



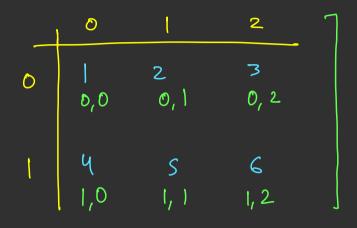


 $an[0][2] \longrightarrow 3$





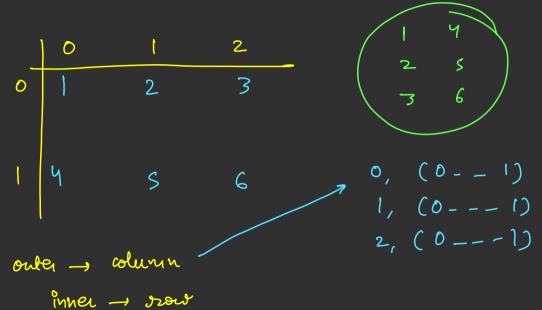
Print Row wise traversal of 2D array



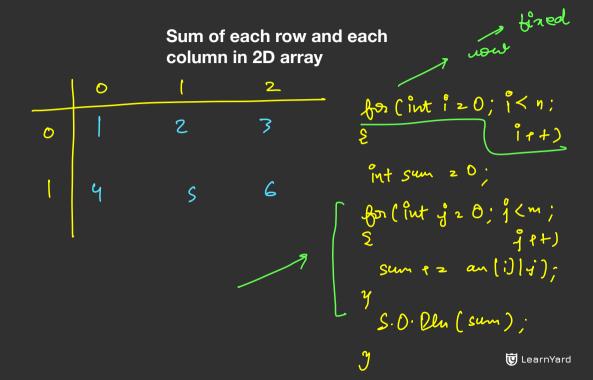
Nerted Loop _____ outer both



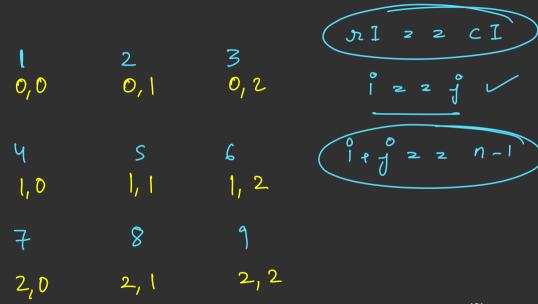
Print Column wise traversal of 2D array







Find sum of diagonal elements in 2D array

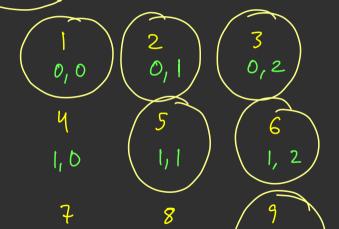


30,2



m - column Redangle natrin

Print Only Upper Triangular Elements

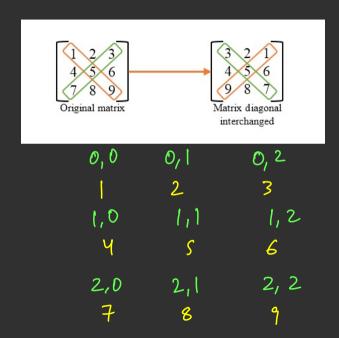


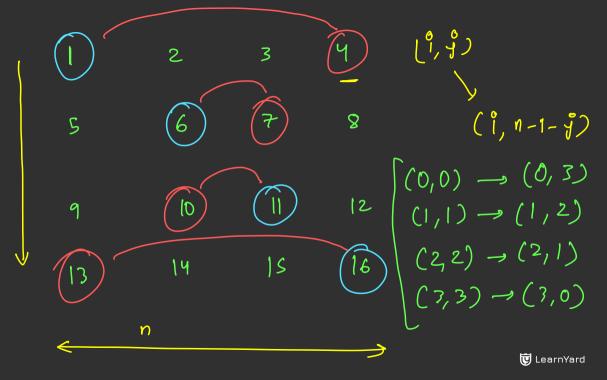
2,0



Interchange the diagonals in 2D array

Square Matira





Practice and Homework Questions

Homework questions -

- 1. https://codeforwin.org/c-programming/c-program-to-add-two-matrices
- 2. https://codeforwin.org/c-programming/c-program-to-subtract-two-matrices
- 3. https://codeforwin.org/c-programming/c-program-to-find-lower-triangular-matrix
- 4. https://codeforwin.org/c-programming/c-program-to-find-sum-of-upper-triangular-matrix
- https://codeforwin.org/c-programming/c-program-to-find-sum-of-lowertriangular-matrix

Thank You!

Please practice more questions and examples as above !!

