05 2D Array

14:08

Agenda:

- 1. Introduction
- 2. Problems

1. INTRODUCTION

- Store similar types of elements.
- Sequential storage Elements
- Both Length and Breadth.

Real Time Application

- Chess
- Bus
- Egg Tray
- Tic tac toe

Syntax:

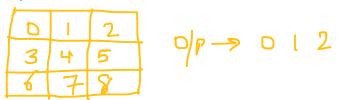
Int mat[][] = new int[row][column];

Ex: int mat[][] = new int[3][3];

Col	0	1	2	3
Row: 0	mat[0][0]	mat[0][1]	mat[0][2]	mat[0][3]
1	mat[1][0]	mat[1][1]	mat[1][2]	mat[1][3]
2	mat[2][0]	mat[2][1]	mat[2][2]	mat[2][3]

2. Problems

Q1. Print top row of matrix



Q2. Print leftmost column of matrix.



Q3. Print matrix row by row.





Q4. Print matrix column by column



Q5. Calculate sum of all elements of matrix.



Q6. print matrix in waveform.



Q7. Row wise Sum

Q8. Column wise max

