Vignan's Foundation for Science, Technology & Research
Department of Computer Science & Engineering
Code Quest @ 06-09-2025

Topic Name: Matrices (Fundamental)

Pre-Requisite: What is a 2D Array? How to access element?

Link: https://www.youtube.com/watch?app=desktop&si=Zyvvj50RIqnHS_dI&v=J1aQ9JN4vZY&feature=youtu.be

No	Problem Statement Name	Problem Statement Link	Reference Link
1	Search in a matrix	https://leetcode.com/problems/search-a-2d-matrix/	https://www.youtube.com/watch?app=desktop&si=ftzaCZifMOyqSHYd&v=JXU4Akft7yk&feature=youtu.be
2	Rotate by 90 degree	https://www.geeksforgeeks.org/problems/rotate-by-90-degree-1587115621/1	https://www.youtube.com/watch?app=desktop&si=09YatNJUpyE7ZCjg&v=Z0R2u6gd3GU&feature=youtu.be
3	Maximum num of 1's row	https://www.geeksforgeeks.org/problems/row-with-minimum-number-of-1s5430/1?itm_source=geeksforgeeks&itm_medium=Article&itm_campaign=bottom_sticky_on_Article	https://www.youtube.com/watch?app=desktop&si=XeAz7btJ6r2MbZuh&v=SCz-1TtYxDI&feature=youtu.be
4	Left rotate matrix k times	https://practice.geeksforgeeks.org/problems/left-rotate-matrix-k-times2351/1	https://www.youtube.com/watch?app=desktop&si=7sxqBk_sUWTCigqc&v=Z0R2u6gd3GU&feature=youtu.be
5	Print matrix in diagonal pattern	https://www.geeksforgeeks.org/problems/print-matrix-in-diagonal-pattern/1?itm_source=geeksforgeeks&itm_medium=Article&itm_campaign=bottom_sticky_on_Article	https://www.youtube.com/watch?v=uBR9IILbb_w

6	Set matrix zeros	https://leetcode.com/problems/set-matrix-zeroes/	https://www.youtube.com/watch?app=desktop&si=jJ_jUtmeE5mb0LB0&v=N0MgLvceX7M&feature=youtu.be
7	Find row with maximum number of 1's	https://www.geeksforgeeks.org/problems/binary-matrix-having-maximum-number-of-1s--170647/1?page=2&category=Binary%20Search&sortBy=submissions	http://youtube.com/watch?app=desktop&si=U_jEDIFYaa8QGnxo&v=SCz-1TtYxDI&feature=youtu.be
8	Search in row wise column wise sorted matrix	https://www.geeksforgeeks.org/problems/search-in-a-matrix-1587115621/1?itm_source=geeksforgeeks&itm_medium=Article&itm_campaign=bottom_sticky_on_Article	https://www.youtube.com/watch?app=desktop&si=oY5y29BNgKveTd7q&v=JXU4Akft7yk&feature=youtu.be
9	Search in sorted matrix II	https://leetcode.com/problems/search-a-2d-matrix-ii/	https://www.youtube.com/watch?app=desktop&si=LYzHu6tpjUc5D73I&v=9ZbB397jU4k&feature=youtu.be
10	Find peak in sorted matrix	https://leetcode.com/problems/find-a-peak-element-ii/	https://www.youtube.com/watch?app=desktop&si=wSh6BEJiQjJRFuhD&v=9ZbB397jU4k&feature=youtu.be