**Matrix:**

1. [Search in a row wise and column wise sorted matrix](https://www.geeksforgeeks.org/search-in-row-wise-and-column-wise-sorted-matrix/)
2. [Print a given matrix in spiral form](https://www.geeksforgeeks.org/print-a-given-matrix-in-spiral-form/)
3. [A Boolean Matrix Question](https://www.geeksforgeeks.org/a-boolean-matrix-question/)
4. [Print unique rows in a given boolean matrix](https://www.geeksforgeeks.org/print-unique-rows/)
5. [Maximum size square sub-matrix with all 1s](https://www.geeksforgeeks.org/maximum-size-sub-matrix-with-all-1s-in-a-binary-matrix/)
6. [Inplace M x N size matrix transpose | Updated](https://www.geeksforgeeks.org/inplace-m-x-n-size-matrix-transpose/)
7. [Print Matrix Diagonally](https://www.geeksforgeeks.org/print-matrix-diagonally/)
8. [Dynamic Programming | Set 27 (Maximum sum rectangle in a 2D matrix)](https://www.geeksforgeeks.org/dynamic-programming-set-27-max-sum-rectangle-in-a-2d-matrix/)
9. [Strassen’s Matrix Multiplication](https://www.geeksforgeeks.org/strassens-matrix-multiplication/)
10. [Create a matrix with alternating rectangles of O and X](https://www.geeksforgeeks.org/create-a-matrix-with-alternating-rectangles-of-0-and-x/)
11. [Find the row with maximum number of 1s](https://www.geeksforgeeks.org/find-the-row-with-maximum-number-1s/)
12. [Print all elements in sorted order from row and column wise sorted matrix](https://www.geeksforgeeks.org/print-elements-sorted-order-row-column-wise-sorted-matrix/)
13. [Given an n x n square matrix, find sum of all sub-squares of size k x k](https://www.geeksforgeeks.org/given-n-x-n-square-matrix-find-sum-sub-squares-size-k-x-k/)
14. [Count number of islands where every island is row-wise and column-wise separated](https://www.geeksforgeeks.org/count-number-islands-every-island-separated-line/)
15. [Given a matrix of ‘O’ and ‘X’, replace ‘O’ with ‘X’ if surrounded by ‘X’](https://www.geeksforgeeks.org/given-matrix-o-x-replace-o-x-surrounded-x/)
16. [Find the longest path in a matrix with given constraints](https://www.geeksforgeeks.org/find-the-longest-path-in-a-matrix-with-given-constraints/)
17. [Given a Boolean Matrix, find k such that all elements in k’th row are 0 and k’th column are 1](https://www.geeksforgeeks.org/find-k-such-that-all-elements-in-kth-row-are-0-and-kth-column-are-1-in-a-boolean-matrix/).
18. [Find the largest rectangle of 1’s with swapping of columns allowed](https://www.geeksforgeeks.org/find-the-largest-rectangle-of-1s-with-swapping-of-columns-allowed/)
19. [Validity of a given Tic-Tac-Toe board configuration](https://www.geeksforgeeks.org/validity-of-a-given-tic-tac-toe-board-configuration/)
20. [Minimum Initial Points to Reach Destinatio](https://www.geeksforgeeks.org/minimum-positive-points-to-reach-destination/)n
21. [Find length of the longest consecutive path from a given starting character](https://www.geeksforgeeks.org/find-length-of-the-longest-consecutive-path-in-a-character-matrix/)
22. [Collect maximum points in a grid using two traversals](https://www.geeksforgeeks.org/collect-maximum-points-in-a-grid-using-two-traversals/)
23. [Rotate Matrix Elements](https://www.geeksforgeeks.org/rotate-matrix-elements/)
24. [Find sum of all elements in a matrix except the elements in row and/or column of given cell?](https://www.geeksforgeeks.org/find-sum-of-all-elements-in-a-matrix-except-the-elements-in-given-row-andor-column-2/)
25. [Find a common element in all rows of a given row-wise sorted matrix](https://www.geeksforgeeks.org/find-common-element-rows-row-wise-sorted-matrix/)
26. [Number of paths with exactly k coins](https://www.geeksforgeeks.org/number-of-paths-with-exactly-k-coins/)
27. [Collect maximum coins before hitting a dead end](https://www.geeksforgeeks.org/collect-maximum-coins-before-hitting-a-dead-end/)
28. [Program for Rank of Matrix](https://www.geeksforgeeks.org/program-for-rank-of-matrix/)
29. [Submatrix Sum Queries](https://www.geeksforgeeks.org/submatrix-sum-queries/)
30. [Maximum size rectangle binary sub-matrix with all 1s](https://www.geeksforgeeks.org/maximum-size-rectangle-binary-sub-matrix-1s/)
31. [Count Negative Numbers in a Column-Wise and Row-Wise Sorted Matrix](https://www.geeksforgeeks.org/count-negative-numbers-in-a-column-wise-row-wise-sorted-matrix/)
32. [Construct Ancestor Matrix from a Given Binary Tree](https://www.geeksforgeeks.org/construct-ancestor-matrix-from-a-given-binary-tree/)
33. [Construct tree from ancestor matrix](https://www.geeksforgeeks.org/construct-tree-from-ancestor-matrix/)
34. [In-place convert matrix in specific order](https://www.geeksforgeeks.org/in-place-convert-matrix-in-specific-order/)
35. [Common elements in all rows of a given matrix](https://www.geeksforgeeks.org/common-elements-in-all-rows-of-a-given-matrix/)
36. [Print maximum sum square sub-matrix of given size](https://www.geeksforgeeks.org/print-maximum-sum-square-sub-matrix-of-given-size/)
37. [Find a specific pair in Matrix](https://www.geeksforgeeks.org/find-a-specific-pair-in-matrix/)
38. [Find orientation of a pattern in a matrix](https://www.geeksforgeeks.org/find-orientation-of-a-pattern-in-a-matrix/)
39. [Shortest path in a Binary Maze](https://www.geeksforgeeks.org/shortest-path-in-a-binary-maze/)
40. [Inplace rotate square matrix by 90 degrees](https://www.geeksforgeeks.org/inplace-rotate-square-matrix-by-90-degrees/)
41. [Return previous element in an expanding matrix](https://www.geeksforgeeks.org/return-previous-element-in-an-expanding-matrix/)