2D Vectors

Lecture- 16

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2D Vectors

- `vector<vector<int> > v;`
- `vector<vector<int> > v(m);`
- `vector<vector<int> > v(m, vector<int> (n));`
- `vector<vector<int> > v(m, vector<int> (n, k));`

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Advantages of vectors over arrays

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Basic STL functions in vectors

- push_back()
- pop_back()
- begin()
- end()
- rbegin()
- rend()

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Ques : Given an integer ‘numRows’, generate Pascal's triangle. [Leetcode 118]

Ques : Score after flipping matrix

[Leetcode 861]

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Ques : Write an efficient algorithm that searches for a value target in an m x n integer matrix which has the following properties :

- Integers in each row are sorted in ascending from left to right.
- Integers in each column are sorted in ascending from top to bottom.

[Leetcode 240]

Thank you !!

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