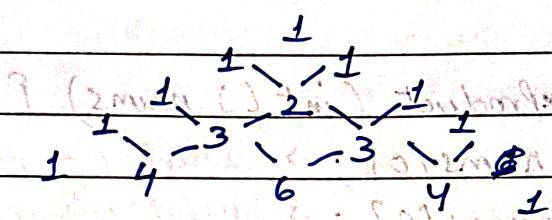


# LEETCODE - (118) Pascal's Triangle.

→ Given an integer numRows, return the first numRows of Pascal's Triangle.

In Pascal's Triangle, each number is the sum of the two numbers directly above it as shown:



Code: C++

#include <vector>  
using std::vector;

```

public:
    vector<vector<int>> generate (int numRows) {
        vector<vector<int>> triangle;
        for (int i=0; i<numRows; i++) {
            vector<int> row(i+1, 1);
            for (int j=1; j<i; j++) {
                row[j] = triangle[i-1][j-1] + triangle[i-1][j];
            }
            triangle.push_back(row);
        }
        return triangle;
    }
};
```