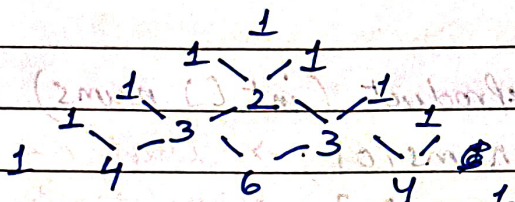


LEETCODE - (118) Pascal's Triangle.

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→ Give 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 shows:



Code: C++

```
#include <vector>
using std::vector;
```

```
class Solution {
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;
}
```

```
};
```