Leetcode Problem 1. (Easy)

Pascal's Triangle II

Given an integer rowIndex, return the rowIndexth (**0-indexed**) row of the **Pascal's triangle**.

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



**Example 1:**

**Input:** rowIndex = 3

**Output:** [1,3,3,1]

**Example 2:**

**Input:** rowIndex = 0

**Output:** [1]

**Example 3:**

**Input:** rowIndex = 1

**Output:** [1,1]

**Constraints:**

* 0 <= rowIndex <= 33

Link: <https://leetcode.com/problems/pascals-triangle-ii/>

class Solution {

public List<Integer> getRow(int rowIndex) {

List<Integer> prevRow = new ArrayList<>();

prevRow.add(1);

for (int i = 1; i <= rowIndex; i++) {

List<Integer> currRow = new ArrayList<>();

currRow.add(1);

for (int j = 1; j < i; j++) {

currRow.add(prevRow.get(j-1) + prevRow.get(j));

}

currRow.add(1);

prevRow = currRow;

}

return prevRow;

}

}

