Lab 13-2

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main.cpp

#include <vector>

#include <iostream>

using namespace std;

int main()

{

int n = 0;

cout << "Enter the power n of (x+y)^n: " << endl;

cin >> n;

vector<vector<int>> pascal\_tria(n+1, vector<int>(n+1));

for (int i = 0; i < n+1; i++) {

cout << "Coefficients of (x + y)^" << i << " =====> ";

for (int j = 0; j < i+1; j++) {

if (i == j or j==0) { pascal\_tria[i][j] = 1; }

else {

pascal\_tria[i][j] = pascal\_tria[i - 1][j - 1] + pascal\_tria[i - 1][j];

}

cout << pascal\_tria[i][j] << " ";

}

cout << endl;

}

}

A screenshot of a computer

Description automatically generated

Demonstrated at 8:59 am on 11/4/2021