0

1

2

3

#include <iostream>

using namespace std;

int main() {

int userNum;

int i;

int j;

cin >> userNum;

for (int i = 0; i <= userNum; i++) {

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

cout << " ";

}

cout << i<< endl;

}

return 0;

}

1A 1B 1C 2A 2B 2C

#include <iostream>

using namespace std;

int main() {

int numRows;

int numColumns;

int currentRow;

int currentColumn;

char currentColumnLetter;

cin >> numRows;

cin >> numColumns;

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

char currentColumnLetter = 'A';

for(int j = 0; j < numColumns; j++){

cout << i << currentColumnLetter << " ";

currentColumnLetter++;

}

currentRow ++;

}

cout << endl;

return 0;

}

#include <iostream>

#include <string>

using namespace std;

int main() {

string simonPattern;

string userPattern;

int userScore;

int i;

userScore = 0;

cin >> simonPattern;

cin >> userPattern;

for (i = 0; i < 10; i++) {

if (simonPattern[i] == userPattern[i]) {

userScore = userScore + 1;

} else {

break;

}

}

cout << "userScore: " << userScore << endl;

return 0;

}