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//file: triangle.cpp
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/* Synopsis: This program reads the number of rows and prints n rows of
digits. */

#include <iostream>
using namespace std;

int main(){
    int n; //n is number of rows.
    int i, k; //i is position of row, k is number of digit.

    cout << "Enter number of rows: ";
    cin >> n;
    cout << endl;

    i=1;
    while (n >= i) {
        k=1;

        while (k <= n){
            cout << k%10;
            ++k;
        }

        cout <<endl;
        --n;
    }

    return 0;
}
```