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//File name: pyramid.cpp
//Created by: Tan Qi Hao
//Creation date: 2/25/2019
/*Synopsis:This program reads a positive odd whole number n and prints a
pyramid */
#include <iostream>
#include <cmath>
using namespace std;
int main(){
  int n; //positive odd whole number n.
  cout << "Enter a positive odd number: ";</pre>
  cin >> n;
  while (n \le 0 \mid | n \% 2 == 0) \{
    cout << "Enter a positive odd number. Try again: ";</pre>
    cin >> n;
  }
  cout << endl;</pre>
  int i(0), j(0), k(0); /* Loop variable i for making row.
                                  Loop variable j for making space.
                                  Loop variable k for making number
sequence.
                              */
  for (i = 1; i \le n / 2 + 1; i++) \{
    for (j = 1 ; j \le i - 1 ; j++) \{
     cout << " ";
    }
    for (k = n - (i - 1); k >= i; k--) {
     cout << k % 10;
    cout << endl;</pre>
  }
  return 0;
```