```cpp
//File name: right_triangle.cpp
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/*Synopsis: This program will display a right triangle with n rows. */

#include <iostream>
using namespace std;

int main(){

  int n; //number of row
  int i(1),j(1); //loop variable i and j

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

  for(i = 1; i <= n; i++){
    cout << endl;

    for(j = 1; j <= n - i + 1; j++){
      cout << "X";
      }

  }
  cout << endl;

  return 0;
}
```