```cpp
//Answer on Question #38212, Programming, C++

#include <cstdlib>
#include <iostream>

using namespace std;
//main function
int main(int argc, char *argv[])
{
    int i,j,k,s;//declare variables
    int n = 9;//total number of star in first line
    for(i = n, s = 1; i >= 1; i-=2, s++){
        for(k = 1; k <= s; k++)
          cout << " ";//show space
          for(j = 1; j <= i; j++){
            cout << "*";//show star
          }
          cout << "\n";//new line
     }
    system("PAUSE");//delay
    return 0;//exit program
}
```