// CIS 2541

// Assignment-2\_Part-2

// Hong Zhang

// This program prints four triangles,

// one below the other

#include "stdafx.h"

#include <iostream>

using namespace std;

// draw four triangles

int \_tmain(int argc, \_TCHAR\* argv[])

{

int row; // the row position

int column; // the column position

int space; // number of spaces to print

// first triangle

for (row = 1; row <= 10 ; row++ )

{

for ( column = 1; column <= row; column++ )

cout<<"\*";

cout<<"\n";

}

cout<<"\n\n";

// second triangle

for ( row = 10; row >= 1; row-- )

{

for ( column = 1; column <= row; column++ )

cout<<"\*";

cout<<"\n";

}

cout<<"\n\n";

// third triangle

for ( row = 10; row >= 1; row-- )

{

for ( space = 10; space > row; space-- )

cout<<" ";

for ( column = 1; column <= row; column++ )

cout<<"\*";

cout<<"\n";

}

cout<<"\n\n";

// fourth triangle

for ( row = 10; row >= 1; row-- )

{

for ( space = 1; space < row; space++ )

cout<<" ";

for ( column = 10; column >= row; column-- )

cout<<"\*";

cout<<"\n";

}

return 0;

}