1. First line prints out: endl

Second line prints out: endl

Third line ends the line and starts a new one

Fourth line prints out: grendel

Actual output:

endlendl

grendel

1. This program takes in an integer, len, printing 1 less number of spaces than len (inside loop), and a “#” right after since the outside loop is always true when the inside one works – basically, a “hash tag staircase”.

3.#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

for (int i = 0; i < len; i++){

int j;

j = i+1;

while(j<len){

j++;

cout << " ";

}

cout << "#" << endl;

}

}

4. #include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

int i = 0;

if(len <= 0){

} else {

do{

for (int j = i+1; j < len; j++)

{

cout << " ";

}

cout << "#" << endl;

i++;

} while(i<len);

}

}

5.

int month;

switch(month)

{

case 3:

case 9:

cout << "equinox" << endl;

break;

case 6:

cout << "summer solstice" << endl;

break;

case 12:

cout << "winter solstice" << endl;

break;

default:

cout << "nothing special"<<endl;

break;

}