**CS 31 Homework 2**

**Q1)** Output:

endlendl

grendel

**Q2)** The program outputs a diagonal of hashtags that contains a total number of len hashtags and runs from top right to bottom left. (However, for very large inputs, the width of the pattern does not fit within the screen so the pattern breaks.)

**Q3)**

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

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

{

int j = i + 1;

while (j < len)

{

cout << " ";

j++;

}

cout << "#" << endl;

}

}

**Q4)**

switch(month){

case 6:

cout << "summer solstice";

break;

case 12:

cout << "winter solstice";

break;

case 3:

case 9:

cout << "equinox";

break;

default:

cout << "nothing special";

break;

}