**Problem 1:**

endlendl

grendel

**Problem 2:**

This program prints a diagonal line of number signs going up from left to right.

**Problem 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 = i + 1;

while (j < len)

{

cout << " ";

j++;

}

cout << "#" << endl;

}

}

**Problem 4:**

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

if (len > 0)

{

int i = 0;

do

{

int j = i + 1;

while (j < len)

{

cout << " ";

j++;

}

cout << "#" << endl;

i++;

}

while (i < len);

}

}

**Problem 5:**

switch (codeSection)

{

case 281:

cout << "bigamy";

break;

case 321:

case 322:

cout << "selling illegal lottery tickets";

break;

case 383:

cout << "selling rancid butter";

break;

case 599:

cout << "artificially coloring a live rabbit";

break;

default:

cout << "some other crime";

}