1. When we trace the program:

Line 1: string grendel initiates grendel and assigns it value “endl”. Line 2: prints “endl”. Line 3: prints the value of grendel which is the string value, “endl”, right after the previous print. Line 4: outputs a command to end the line, and starts on a new line. Line 5: prints the string, “grendel” on this new line.

The final result is:

endlendl

grendel

1. The program prompts the user to enter a number. The program increments by one # for each line until the program reaches the number entered. The program prints a pyramid of #’s.

#include <iostream>

using namespace std;

int main()

{

int side;

cout << "Enter a number: ";

cin >> side;

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

{

int j = i;

while (j >= 0) {

cout << "#";

j--;

}

cout << "\n";

}

}



#include <iostream>

using namespace std;

int main()

{

int side;

cout << "Enter a number: ";

cin >> side;

int i = 0;

do {

if (side <= 0)

return 0;

int j = i;

i++;

while (j >= 0) {

cout << "#";

j--;

}

cout << "\n";

} while (i < side);

}

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 598:

cout << "wounding a bird in a public cemetery";

break;

default:

cout << "some other crime";

break;

}