1. Output:

endlendl

grendel

1. The program outputs # in a line that runs diagonally up and right. The number of # entries is equal to the int len.
2. Source code:

#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;

while (j < len)

{

cout << " ";

j++;

}

cout << "#" << endl;

}

}

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

int i=0;

int j = i;

int k = len--;

do

{

j = i;

while (j < k)

{

cout << " ";

j++;

}

if (len > 0) {

cout << "#" << endl;

}

i++;

}

while (i <= len);

}

1. Switch code:

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";

}