1. The output is:

endlendl

grendel

1. This program prints a diagonal formed by hash tags from the upper right corner and the lower left corner of a (len \* len) square

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;

}

}

4.

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

int i = 0;

do

{

if (len > 0)

{

int j = i + 1;

while (j < len)

{

cout << " ";

j++;

}

cout << "#" << endl;

i++;

}

else

{

break;

}

} while (i < len);

}

5.

switch (year)

{

case 1980:

cout << “Robert De Niro”;

break;

case 1989:

case 2007:

case 2013:

cout << “Daniel Day-Lewis”;

break;

case 2009:

cout << “Jeff Bridges”;

break;

default:

cout << “(some actor)”;

break;

}