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Homework 2

1. This code would print out “endlendl” on one line and then return to a new line and print “grendel” which would look like this:

endlendl

grendel

This happens because the first output line outputs the string “endl” (it does not move to a new line because the endl keyword is in quotes so it is just a string). The next line prints the string that the variable grendel contains which is also “endl”. The third line uses the endl keyword and moves the cursor to the next line. Finally, the last line prints out the string “grendel”. It does not print out what the variable grendel contains because this was written in quotes so it is a string, and does not reference the variable.

1. This code would print out the character “#” 1 to “side” number of times inputted by the user, starting a new line for every incrementation of the number to create the shape of a right triangle.

#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";

}

}

4.

#include <iostream>

**using** **namespace** std;

**int** main()

{

**int** side;

cout << "Enter a number: ";

cin >> side;

**int** i = 0;

**if** (side >= 0)

{

**do**

{

**int** j = i;

**while** (j >= 0)

{

cout << "#";

j--;

}

cout << "\n";

i++;

} **while** (i < side);

}

}

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** 598:

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

**break**;

**default**:

cout << "some other crime";

**break**;

}