1. What is the output produced by the following program segment? Don't just run it — trace through it and figure it out by hand (which is a skill you'll need for the exams).

endlendl

gendel

1. Consider the following program:

#include <iostream>

using namespace std;

int main()

{

int side;

cout << "Enter a number: ";

cin >> side;

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

{

for (int j = i; j >= 0; j--)

{

cout << "#";

}

cout << "\n";

}

}

In a brief, simple English sentence, state what this program does (e.g. "It prints a picture of a Tesla Model S"). Again, figure this out by hand.

The program will print out a isosceles right triangle with # that has the same side length of the user input **side**

#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 1 ; // bad case

int j = i;

while (j >= 0 )

{

cout << "#";

j--;

}

cout << "\n";

i++;

}while( i < side);

}

switch (codeSection)

{

case 281:

cout << "bigamy";

break;

case 321 :

cout << "selling illegal lottery tickets";

break;

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;

}