

Homework 2 Solution

1. endlendl

[grendel](#)

2. It prints a triangle. *[The problem said to write a brief, simple English sentence; we did not want a paragraph-length blow-by-blow account of what the program was doing.]*

3.

```
#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;

    if (side > 0) // No output whatsoever if side is nonpositive
    {
        int i = 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";
}
```