1.

```
endlendl
grendel
```

2.

This program will print out a right-triangle (with a slope in the direction
of a slash symbol) composed of pound signs (#) and with height of the value
side.

3.

```cpp
#include <iostream>
using namespace std;

int main()
{
    int side;

    cout << "Enter a number: ";
    cin >> side;

    for (int i = side; i > 0; i--)
    {
            int j=0;
            while (j < i-1)
            {
                cout << " ";
                    j++;
            }
            while (j < side)
            {
                cout << "#";
                    j++;
            }
            cout << endl;
    }
}
```

4.

```cpp
#include <iostream>
using namespace std;

int main()
{
    int side;

    cout << "Enter a number: ";
    cin >> side;

      int i = side;

      do
    {
            int j=0;
```

```
            while (j < i-1)
            {
                cout << " ";
                    j++;
            }
            while (j < side)
            {
                cout << "#";
                    j++;
            }

            if(side>0)
            {
                    cout << endl;
            }

            i--;
      } while(i>0);

        return 0;
    }
```

5.

```
    switch(week)
    {
        case 0:
            cout << "first lecture";
            break;
        case 4:
        case 7:
            cout << "midterm";
            break;
        case 10:
            cout << "final";
            break;
        default:
            cout << "nothing";
            break;
    }
```