

**COMP 2355**  
**Winter 2013**  
**Lab #7**  
**January 29, 2013**

**This lab should be submitted to your course SVN by noon on January 30 in a folder named “Lab7”.**

In this lab you will overloading the << operator to allow the printing of structs via cout.

1. Write an operator to print the individual bits of a 64-bit bit array. (Print this as 64 1’s and 0’s in a row.) Use this to prove that your Lab5 code works.

```
struct Bits64 {  
    uint64_t bits;  
};
```

```
std::ostream& operator<<(std::ostream &out, const Bits64 &f);
```

2. Write an operator to print your IntegerList from Lab4.

```
std::ostream& operator<<(std::ostream &out, const IntegerList &intLst);
```

3. Write an operator to print your Stack from Lab 6.

```
template <typename T>  
std::ostream& operator<<(std::ostream &out, const Stack<T> &s);
```