Section 4

CSE 341 – Spencer Pearson

What if we need function f to call g, and function g to call f?

Does this work?

```
fun f x =
                        fun g
```

We can employ higher order functions for a work around.

```
fun _earlier f x = ... f y ...
fun later x = ... _earlier later y
val earlier = _earlier later
```

But ML gives us special syntax for this

Modules

Remember that signatures are good both for organization and management and for maintaining invariants

Modules - Invariants

- Ordering of operations
 - e.g. insert, then query
- Data kept in good state
 - e.g. fractions in lowest terms
- Policies followed
 - e.g. don't allow shipping request without purchase order

Currying and Higher Order Functions

Questions?