

CSC112                      Spring 2011  
Fundamentals of Computer Science  
Lab 7 – Structures

## Revised Pseudo-code for Reading the Worker File

### Reading the Worker File

```
open the file ;
loop = true ; // Loop control variable.
while (loop) {
    read one employee's information, into a struct employee, w ;
    loop = read operation above was successful ;
    if ( loop ) {
        Add w to the list of employees ;
    }
}
close the file ;
```

### Reading just one worker's information

```
// Returns true if successful, false otherwise.
//
bool read_one_employee( struct employee & w )
{
    Use getline with the delimiter ',' to read the last name (Lname).
    if ( EOF was encountered in read above ) return false ;

    // At this point, the last name is Ok.
    // Try to read the rest of this employee's information.
    delete_leading_spaces( Lname ) ;
    delete_trailing_spaces( Lname ) ;

    Use getline with the delimiter ',' to read the first name (Fname).
    delete_leading_spaces( Fname ) ;
    delete_trailing_spaces( Fname ) ;

    Use the stream operator >> to read the id
    Skip to the next comma (including the comma itself)

    Use the stream operator >> to read the rate
    Skip to the next comma (including the comma itself)

    Use the stream operator >> to read the number of hours
    Skip to the end of line (including the newline character)
    return true ;
}
```