

Assignment: A Unix Shell

Objectives

- To further understand the UNIX environment.
- To learn how shared libraries are created.

Specification

During this semester you will be creating a shared library. You will start it by adding the functions in `sockutils.c` (in my public directory) to the library. Create both a static and shared library for this. Call the library *libutils*.

Grading

- The following items will be considered when grading this assignment
 - Style and format
 - Documentation
 - Error checking
 - Implements specification as described

Turn in

Turn in a script containing the output of the following commands:

- gcc for object file → `gcc -c sockutils.c`
- ar → `ar rc libutils.a sockutils.o`
- ranlib → `ranlib libutils.a`
- gcc for shared library → `gcc -fpic -c sockutils.c`
`gcc -shared -o libutils.so sockutils.o`
- `ls -l libutils.a libutils.so`