CS311 Operating Systems I

1. Describe the process of installing a signal handler using `sigaction`, including any specific issues that need to be considered.

2. What is a signal?

3. Signals can be handled in 3 ways. Name them. What constants are defined for your use in setting these actions?

4. What is the difference between a pipe and a FIFO?

5. Give the general idiom for creating a pipe between a parent and a child: the parent will write, the child will read.

6. Each of the `exec` functions have a suffix of some combination of `l`, `p`, `e`, and `v`. What does each of these letters imply?

7. What is the difference between `exit()` and `_exit()`?

8. Consider the current project. Give pseudocode describing the structure of the system.