

**Processes**

1. Find the documentation for `waitpid(2)` (which you should read for the shell pset):
  - a. What is the method signature?
    - i. How does the pid argument work?
    - ii. How are the options specified?
  - b. What does it do? Why is important?
  - c. When does it return?
  - d. What values does it return?
  - e. How is it useful for implementing a shell?

2. \*List all possible outputs printed by the following code in C:

```
int x = 7;
if(fork()) {
    x++;
    printf(" %d ", x);
    fork();
    x++;
    printf(" %d ", x);
} else {
    printf(" %d ", x);
}
```