

1. Using an example, explain how *signals* are a form of interprocess communication. What are the limitations?

Example: a parent process registers a signal handler for the SIGCHLD signal. Receipt of that signal by the parent indicates a child process has terminated, i.e., the signal is a means of communication from child to parent.

In general a signal sent from one process to another can be thought of a notification that an event has occurred. This is its limitation: that is the only information that communicated.

2. Explain how you would use a *file* as a mechanism for interprocess communication. What are the limitations?

One process could write information to the file, while another process could read that information. Both processes would need to know the filename and have the appropriate access permissions (read or write), or be related by a `fork()`.

```
3a. int fd;
    pipe( fd );
```

```
3b. int fd;
    pipe( fd );
    fork( );
    parent: close( fd[0] );
    child:  close( fd[1] );
```

