

Mentor notes

Problems

- In question 1, the solution is to simply handle SIGHUP by ignoring it. This will turn the process into a daemon process once bash dies, as it will get re-parented to init. You can show the mentee this by showing them `top` or `/proc`
- In question 2, my machine lost ~20 signals, and I'm hoping this won't vary much from computer to computer.
- Again, in question 2, your mentee might ask why not all signals are received. This is, frankly, a hard thing to find. You can find it in `man 7 signals`, where, under real-time signals, you'll find this almost sidenote:
 1. Multiple instances of real-time signals can be queued. By contrast, if multiple instances of a standard signal are delivered while that signal is currently blocked, then only one instance is queued.

Basically, the lost signals are likely ones that are being dropped because of the lack of a queue.

- On the second part of question 2, you should see issues when you re-open the same file. This is a great chance to talk about the requirements signal handlers have, and why you don't ever want to do things like call `printf` (non-reentrant) or open and write to files from within signal handlers. `ex1` has some code that shows how you can avoid putting `printf`'s inside signal handlers.