

Homework 8

interceptor Write a program which will intercept all signals 1 – 50, except of course for those signals which it cannot intercept. Upon receipt of a signal, it should print out a message:

```
Rcvd signal %2d: (give name of signal)
```

Your program should only quit when the word “quit” is typed in from stdin; of course, a SIGKILL signal will also work. The program should also print out its pid first thing (which makes using `sigsender` below simpler). The program should terminate when its receives “quit” via stdin. **Hint:** use `kill`, available from the Korn shell, to exercise your program.

sigsender Write a shell script which sends all the catchable signals to your program and use it (ie. don't send a signal 9). The script should take the pid of the program as an argument.

sigmasker Modify the program from problem 1 to accept commands from stdin: (I suggest that you use `fgets()` `strcmp()` `strtok()`):

1. `mask # [# # #]` mask one or more signals by number
2. `unmask # [# # #]` unmask one or more signals by number
3. `check` print a list of pending signals (if any).