**USP Week 7 Lab Assignments**

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| 1 | Experiment signals on fork and exec.  Setup a timer (alarm) - setup handler for the timer - fork (or exec) – check who gets the timer signal (SIGALRM) |
| 2 | Write a program (use signal system call)   1. which calls a signal handler on SIGINT signal and then reset the default action of the SIGINT signal 2. which ignores SIGINT signal and then reset the default action of SIGINT signal     Rewrite the program using sigaction system call |
| 3 | Experiment with close-on-exec (FD\_CLOEXEC) flag.  Write a program which execs another program. Check if file descriptors remain open across exec call. Set close-on-exec flag in exec-ing process using fcntl system call and observe what happens in exec-ed process. |