OS MP1 Handwriting B07902126 資工三 謝宗儒

1. No, we can't see the message since using exec will directly replace the original process with the new one exec calls. We can use fork to show the message by creating a child process to call exec and let parent process print the message after wait().

2. (3) It depends.
   If child process receives the kill signal sent by parent process before running signal(SIGHUP, sighup_handler), we won't see the message because signup_handler hasn't been registered yet. On the other hand, if child process receives the kill signal sent by parent process after running signal(SIGHUP, sighup_handler), we will see the message.

3. 1st advantage : Process share memory between threads while using fork needs additional data copies, so using threads saves space resources generally.

   2nd : Since threads share code and data while forks share nothing, it's easier and efficient to do inter communication using threads than using forks.