NYCU OS HW1 report 2021

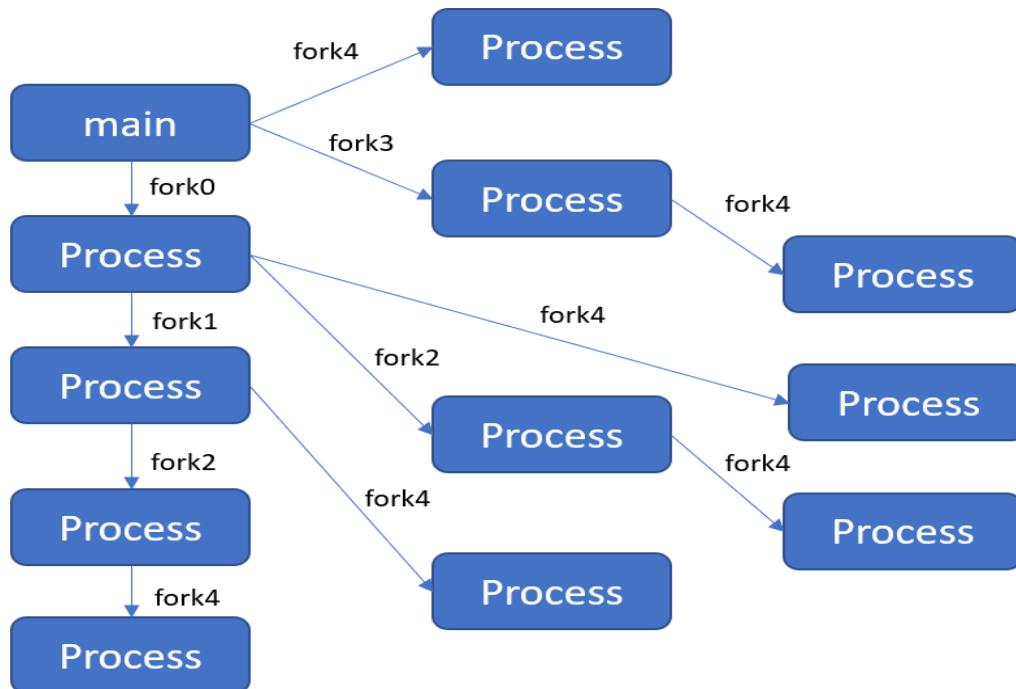Name   李泓賢   Student Id   0613246

Q1. hw1_1

Tree format(according to OS_HW1.pdf/p.7):

Q2. hw1_2

Please put your result(screenshot).

Also, write down the problems you met and solutions.

Result:
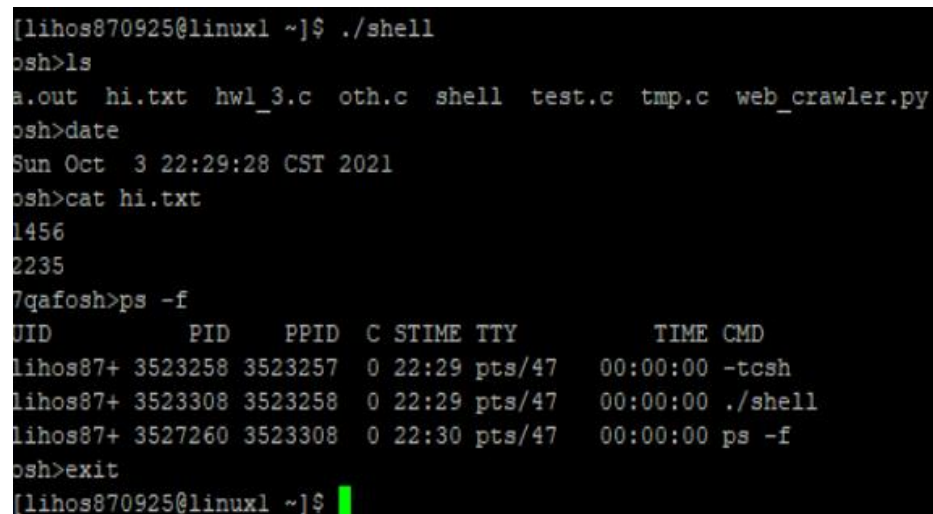
Problems & Solutions:

因為不太熟 fork(),以前只會用 code 轉樹狀圖的題目,但現在題目是用樹狀圖轉為 code,所以試了蠻多次(例如,哪裡要加 if,並且在裡面放 fork()),不過很快就把基本架構建立好了。基本架構建好之後就是 wait()要填在哪裡的問題。雖然這影響輸出的順序,但基本架構建好之後這個就不算太大的問題。

Q3. hw1-3

Please put your result(screenshot).

```
[lihos870925@linux1 ~]$ ./shell
psh>ls
a.out  hi.txt  hw1_3.c  oth.c  shell  test.c  tmp.c  web_crawler.py
psh>date
Sun Oct  3 22:29:28 CST 2021
psh>cat hi.txt
1456
2235
7qafosh>ps -f
UID          PID    PPID  C STIME TTY          TIME CMD
lihos87+ 3523258 3523257  0 22:29 pts/47   00:00:00 -tcsh
lihos87+ 3523308 3523258  0 22:29 pts/47   00:00:00 ./shell
lihos87+ 3527260 3523308  0 22:30 pts/47   00:00:00 ps -f
psh>exit
[lihos870925@linux1 ~]$
```