NYCU OS HW1 report 2022

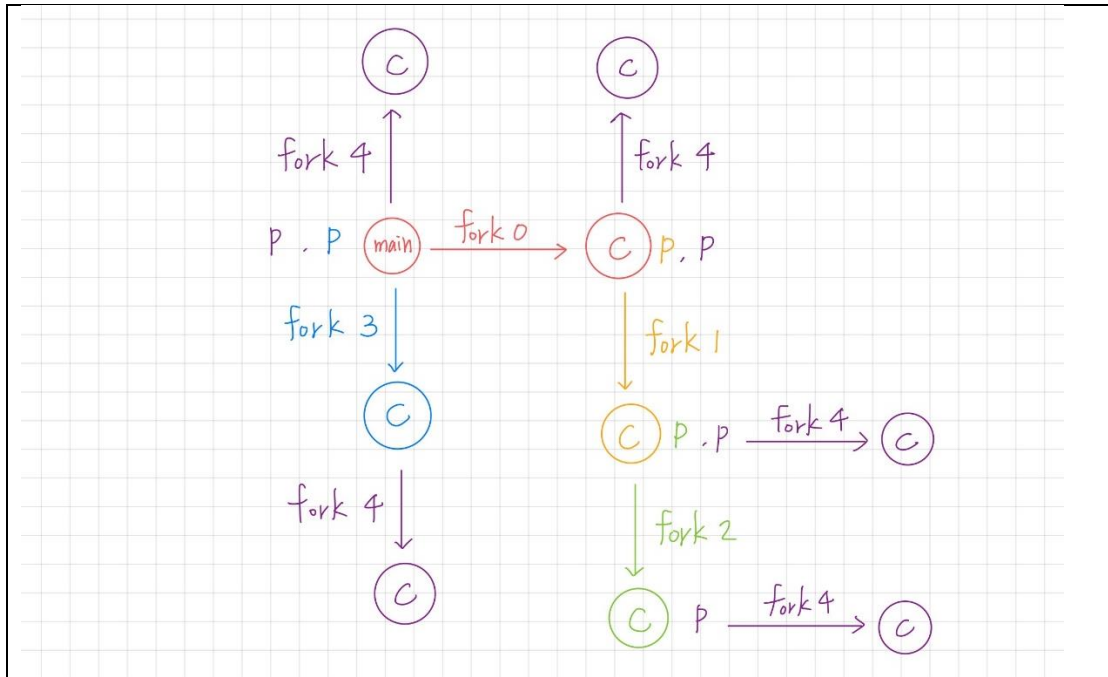Name   李旻融   Student Id   109550031

Q1. hw1_1

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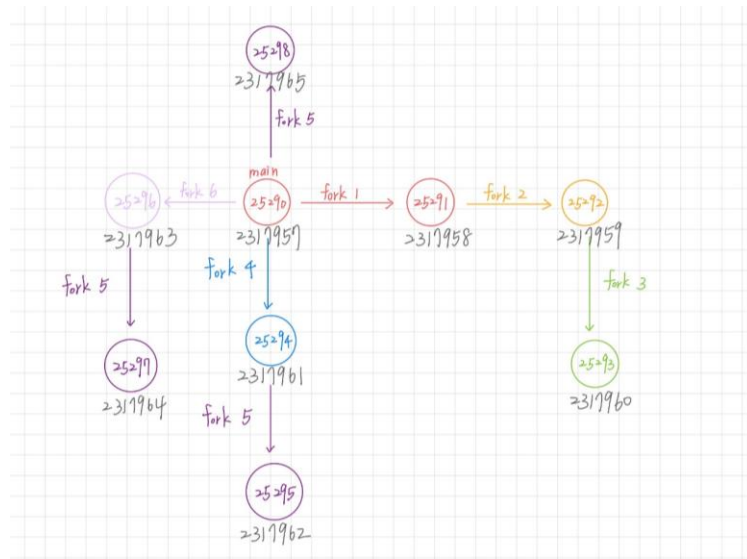

Q2. hw1_2

Please put your result(screenshot).

Also, write down the problems you met and solutions.

Result

```
Main Process ID : 2317957
Fork 1. I'm the child 2317958, my parent is 2317957.
Fork 2. I'm the child 2317959, my parent is 2317958.
Fork 3. I'm the child 2317960, my parent is 2317959.
Fork 4. I'm the child 2317961, my parent is 2317957.
Fork 5. I'm the child 2317962, my parent is 2317961.
Fork 6. I'm the child 2317963, my parent is 2317957.
Fork 5. I'm the child 2317964, my parent is 2317963.
Fork 5. I'm the child 2317965, my parent is 2317957.
```

Problems & solutions

在實作的過程中，我發現畫出整個流程圖有助於我來了解整個排序，於是我就畫了上圖，在實作的時候，我認為 fork 5 是最難處理的部分，因為三個 fork 5 之間，還夾著一個 fork 6，但思考一下後，這個問題也順利解決了。

Q3. hw1-3

Please put your result(screenshot).