2019 NCTU OS HW3 report

Question	Answer
Q1. Briefly describe your design for the sort and merge function and the thread management in the Multi-thread program.	我用 bubble sort 來做 brute-force sort, 每個 thread 做 1/4 個 array, merge sort 的部份是先做 1/2, 再全部做一次。 而 thread management 則用 exit 離開建立的 thread, 再用 join 同步。
Q2. Show your thread information screenshot while running the Single-thread/Multi-thread program.	Single-thread multi-thread
Q3. Show the time speedup between Single-thread and Multi-thread.	Single-thread multi-thread
Q4. What did you learn from doing hw3?	如何使用 pthread 以及平行處理常會遇到的問題(害我 debug 的時候想說怎麼那麼離譜...)