***NTCU OS HW3 report 2018***

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| Question | Answer |
| Q1.  Briefly describe about your data structure for recording process’ time or anything you need to record. | Hw3-1~3-3  Use a (2\*process\_number) matrix to record the arrival time and burst time of each process.  Hw3-4  Use a (3\*process\_number) matrix to recode arrival time, burst time and the queue that process stays in.  Use many variables to record something like how many process is in the queue, which process has arrived and etc.  Use a (2\*process\_number) matrix to save the result. |
| Q2.  How to simulate process scheduling? | while(remain\_process>0){  t++;  …  }  When a process finished, remain\_process--, and I will check that whether there is a process arriving every second. |
| Q3.  Some problems you meet and how to resolve. | 寫hw3-3時遇到一個較大的困難，就是quantum time =4，然後有一個processe2剛好在t=4的時候進來，queue的正確順序應該要p1接在p2後面。但我原本的結果都是p2在p1後面  後來我特別在if(remain\_q\_time == 0)的後面新增檢查有沒有new process到的code才解決這個問題 |
| Q4.  What you learned from doing OS hw3 and something you want to discuss with TAs. | More understanding about these four types of schedule algorithm |