

NTCU OS HW3 report 2018

Name: 傅信瑀

Student ID: 0516319

Question	Answer
Q1. Briefly describe about your data structure for recording process' time or anything you need to record.	<p>Hw3-1~3-3 Use a (2*process_number) matrix to record the arrival time and burst time of each process.</p> <p>Hw3-4 Use a (3*process_number) matrix to recode arrival time, burst time and the queue that process stays in.</p> <p>Use many variables to record something like how many process is in the queue, which process has arrived and etc.</p> <p>Use a (2*process_number) matrix to save the result.</p>
Q2. How to simulate process scheduling?	<pre>while(remain_process>0){ t++; ... }</pre> <p>When a process finished, remain_process--, and I will check that whether there is a process arriving every second.</p>

<p>Q3. Some problems you meet and how to resolve.</p>	<p>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</p>
<p>Q4. What you learned from doing OS hw3 and something you want to discuss with TAs.</p>	<p>More understanding about these four types of schedule algorithm</p>