**NCTU OS HW2 report 2018**

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| **Question** | **Answer** |
| **Q1.**  **Briefly describe about your design for the problem “Sum Checker” and total num of threads you used in your code.** | **As the spec mentioned, since the only goal is “multi-threading“, I create nine threads to sum each 3 x 3 grid, an two threads each sums the rows and the columns. Total eleven threads were created.** |
| **Q2.**  **Show your thread info screenshots while “Sum Checker” code running.** |  |
| **Q3.**  **Compare the time between Single-thread and Multi-thread.** | **(🡨multi-thread single-thread🡪)**  **Althought single thread is supposed to be much slower than multithread, parellel computing here had no advantage compareing to thread creating. The computing is to less that thread creating might even be the most time costing part.** |
| **Q4.**  **What you learned from doing OS hw2 or some improvements you want to say to TAs.** | **Race condition might happened doing writing the first calculated sum, but no solution were taught in class. Also too many thread ( more than cpu core ) might even cause the executing time to increse.** |

p.s You can reference to homework info pdf and show your answer as the format for Q2 and Q3.