

CS2106 Operating Systems

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Outline

Lecture 6 IPC, Threads

Archipelago Q&A

1. Why not set the Time Quantum to the Interval of Timer Interrupt, since that is the only important time to run the scheduler? A: ITI is hardware specific, and QT is set by kernel.
2. If there is only one job in RR, then will there be context switch every TQ before the job ends? A: No, but some stack will still be saved upon the running of the Interrupt Routine.

Inter-process Communication

Mechanisms:

Shared memory

Message passing

Can be either **Blocking** or **Non-blocking**.

Receiver

Blocking receive is the most common