

COMPSCI 3SH3 Fall, 2022  
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## Lab 5 Report

The SJF algorithm compares the burst size of jobs and schedules the shortest first. `add()`, inserts a new task into the list of task, `schedule()` process the schedule and `pickNextTask()` returns the next selected task to run by linearly traversing the list to find the shortest burst time.

The Round Robin with priority algorithm functions by using a time quantum(time slice) to process each task. `add()` inserts a new task into the list of tasks. `schedule()` process and runs the list of tasks and if there are more than 1 task with the same priority(duplicate) Round Robin occurs, else it runs normally. If the burst value is greater than the quantum value then the task is inserted at the end. `pickNextTask()` selects the next task to run, depending on the highest priority.