

1. What (if any) relation holds between the following pairs of algorithm sets?
 - a. Priority and Shortest Job First
 - b. Multilevel feedback queues and First Come First Serve (optional)
 - c. Priority and First Come First Serve
 - d. Round Robin and Shortest Job First
2. Using a Gant chart, given the following jobs and their arrival time, how would each of the jobs be scheduled for the algorithms below (also list the average wait time):

Job Number	Burst Time	Arrival Time	Priority
1	3	1	3
2	2	2	2
3	5	3	4
4	1	4	5
5	8	5	1

Algorithms:

- Round Robin with Time Quantum 2
- Round Robin with Time Quantum 4
- Priority Scheduling
- Shortest Remaining Time First
- Shortest Job First (with preemption)
- Shortest Job First (without preemption)
- First Come First Serve Scheduling