

Goal: To understand the execution of different scheduling algorithms.

Evidence: A simple document that includes the answer to each question.

Estimated time: 30 minutes.

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Consider the following set of processes that arrive at time t_0 .

Process	Burst Time
P ₀	12
P ₁	5
P ₂	4
P ₃	5
P ₄	10
P ₅	7
P ₆	8

Draw the Gantt Chart for each problem and answer the following questions.

- a) For **FCFS**, At what time does the P₅ process start its execution?: _____. Based on the previous list of processes, What is the average waiting time for **FCFS**? _____ what process is being executed at time t_{19} ? _____ at what time does the P₅ process complete its execution? _____ how long does the process P₆ has to wait to start its execution? _____
- b) For **SJF**, At what time does the P₆ process complete its execution?: _____ Based on the previous list of processes, What is the average waiting time for **SJF**? _____ what process is being executed at time t_{36} ? _____ at what time does the P₅ process begin its execution? _____ how long does the process P₆ has to wait to start its execution? _____

Based on your results, what is the best algorithm for executing the sequence of processes?
