

# CPU SCHEDULING ALGORITHMS – EXERCISES

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# Exercise - 1

- For the set of processes given below, calculate the average waiting time using
  - ▣ FCFS
  - ▣ SJF (Preemptive & Non-Preemptive)
- Also draw the Gantt charts

Process	Arrival Time	Burst Time
P1	0	8
P2	1	4
P3	2	9
P4	3	5

# Exercise - 2

- Consider the following set of processes, with the length of the CPU-burst time given in milliseconds:

Process	Arrival Time	Burst Time
P1	0	10
P2	0	1
P3	0	2
P4	0	1
P5	0	5

- Process arrival order P1, P2, P3, P4, P5.
- Draw four Gantt charts illustrating the execution of these processes using FCFS, SJF.
- Calculate WT, TT and Avg. WT of processes.

# Exercise - 3

- For the set of processes given below, calculate the average waiting time using
  - ▣ FCFS
  - ▣ SJF (Preemptive & Non-Preemptive)
- Also draw the Gantt charts

Process	Arrival Time	Burst Time
P1	0.0	8
P2	0.4	4
P3	1.0	1