

- Apply **First Come First Serve (FCFS)** scheduling algorithm –

Process ID	Arrival Time	Burst Time
P1	0	1
P2	3	9
P3	9	10
P4	2	1
P5	2	7

**Average Turnaround Time:** 9.2

**Average Waiting Time:** 3.6

- Apply non-preemptive **Shortest Job First (SJF)** scheduling algorithm –

Process ID	Arrival Time	Burst Time
P1	0	6
P2	4	5
P3	5	7
P4	2	4
P5	3	6

**Average Turnaround Time:** 13.2

**Average Waiting Time:** 7.6

- Apply non-preemptive **Shortest Job First (SJF)** scheduling algorithm –

Process ID	Arrival Time	Burst Time
P1	0	9
P2	2	5
P3	2	10
P4	1	10
P5	3	2

**Average Turnaround Time:** 18

**Average Waiting Time:** 10.8

- Apply preemptive **Shortest Remaining Time First (SRTF)** scheduling algorithm –

Process ID	Arrival Time	Burst Time
P1	0	3
P2	4	8
P3	3	8
P4	3	10
P5	7	8

**Average Turnaround Time:** 16

**Average Waiting Time:** 8.6

- Apply preemptive **Shortest Remaining Time First (SRTF)** scheduling algorithm –

Process ID	Arrival Time	Burst Time
P1	0	5
P2	1	3
P3	1	6
P4	5	11
P5	5	1

**Average Turnaround Time:** 9.6

**Average Waiting Time:** 4.4

- Apply non-preemptive **Priority** scheduling algorithm –

Process ID	Arrival Time	Burst Time	Priority
P1	0	5	2
P2	2	4	4
P3	2	11	1
P4	1	6	3
P5	5	9	5

**Average Turnaround Time:** 18.8

**Average Waiting Time:** 11.8

- Apply preemptive **Priority** scheduling algorithm –

Process ID	Arrival Time	Burst Time	Priority
P1	0	9	4
P2	4	4	2
P3	8	5	1
P4	5	8	5
P5	1	8	3

**Average Turnaround Time:** 16.2

**Average Waiting Time:** 9.4

- Apply preemptive **Priority** scheduling algorithm –

Process ID	Arrival Time	Burst Time	Priority
P1	0	1	3
P2	4	3	4
P3	5	5	5
P4	3	9	1
P5	1	1	2

**Average Turnaround Time:** 7.4

**Average Waiting Time:** 3.6

- Apply **Round Robin** scheduling algorithm, where  $q = 5$  –

Process ID	Arrival Time	Burst Time
P1	0	3
P2	3	2
P3	7	7
P4	2	2
P5	5	3

**Average Turnaround Time:** 5

**Average Waiting Time:** 1.6

- Apply **Round Robin** scheduling algorithm, where  $q = 4$  –

Process ID	Arrival Time	Burst Time
P1	0	8
P2	3	11
P3	2	7
P4	2	10
P5	6	5

**Average Turnaround Time:** 29.8

**Average Waiting Time:** 21.6

- Apply **Round Robin** scheduling algorithm, where  $q = 3$  –

Process ID	Arrival Time	Burst Time
P1	0	4
P2	4	8
P3	1	5
P4	1	2
P5	4	5

**Average Turnaround Time:** 14

**Average Waiting Time:** 9.2