

Assignment -6

Scheduling Assignment for practice

Round Robin Scheduling: Find the Average waiting time & average turnaround time for each schedule.

1. We need to compute the waiting time and turnaround time for each process. $Q=1$.

Process	Burst time
P1	2
P2	3
P3	4

2. We need to compute the waiting time and turnaround time for each process. (**The Quantum time is 6**)

Process ID	Arriving Time	Burst Time
P1	0	8
P2	1	5
P3	2	10
P4	3	11

3. We need to compute the averagewaiting time and turnaround time for each process. (**The Quantum time is 4**)

Process ID	Arrival Time	Burst Time
1	0	5
2	1	6
3	2	3
4	3	1
5	4	5
6	6	4

FCFS Scheduling: Find the Average waiting time & turnaround time for schedule.

1.

Process ID	Arrival Time	Burst Time
0	0	2
1	1	6
2	2	4
3	3	9
4	6	12

2.

Process ID	Arrival Time	Burst Time
P1	0	24
P2	0	3
P3	0	4

SJF Scheduling: Find the Average waiting time & turnaround time for schedule.

1.

In the following example, there are five jobs named as P1, P2, P3, P4 and P5. Their arrival time and burst time are given in the table below.

PID	Arrival Time	Burst Time
P1	1	7
P2	3	3
P3	6	2

P4	7	10
P5	9	8

2. SJF Preemptive Example

Process	Arrival time	Burst Time
P1	0	6
P2	1	4
P3	2	2
P4	3	3

3. SJF Non Preemptive Example

See the below Example –

SJF Process	Burst Time (in ms)	Arrival Time
P1	2	0
P2	8	0
P3	1	0
P4	4	0