

SJF(Shortest Job First)

SJF Scheduling Algorithm

Process ID:

Arrival Time (AT):

Burst Time (BT):

Add Process

Run SJF Scheduling

Process List

- p1 | AT: 3 | BT: 6
- p2 | AT: 2 | BT: 2
- p3 | AT: 5 | BT: 4
- p4 | AT: 8 | BT: 7

Process ID	AT	BT	CT	TAT	WT
p1	3	6	10	7	1
p2	2	2	4	2	0
p3	5	4	14	9	5
p4	8	7	21	13	6

Gantt Chart

p2

p1

p3

p4

FCFS(First Come First Serve)

FCFS Scheduling Algorithm

Process ID:

Burst Time:

Arrival Time:

Add Process

Process List

PID	Burst Time	Arrival Time
p1	2	1
p2	1	3
p3	5	6
p4	7	8

Run FCFS

Results

PID	Burst Time	Arrival Time	Waiting Time	Turnaround Time
p1	2	1	0	2
p2	1	3	0	1
p3	5	6	0	5
p4	7	8	3	10

p1

1 - 3

p2

3 - 4

p3

6 - 11

p4

11 - 18

RR(Round Robin)

Round Robin (RR) Scheduling

Time Quantum:

Process	Arrival Time	Burst Time
P1	<input type="text" value="1"/>	<input type="text" value="4"/>
P2	<input type="text" value="3"/>	<input type="text" value="5"/>
P3	<input type="text" value="2"/>	<input type="text" value="4"/>
P4	<input type="text" value="5"/>	<input type="text" value="7"/>

[Run Round Robin](#)

Output

Process	AT	BT	CT	TAT	WT
P1	1	4	9	8	4
P3	2	4	13	11	7
P2	3	5	18	15	10
P4	5	7	21	16	9

Average Waiting Time: 7.50
Average Turnaround Time: 12.50