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Operating System

October 12 2020

Lab 5

Process	CPU Burst Time	Priority
P1	10	3
P2	1	1
P3	2	3
P4	1	4
P5	5	2

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
FCFS	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P2	P3	P3	P4	P5	P5	P5	P5	P5
SJF	P2	P4	P3	P3	P5	P5	P5	P5	P5	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1
NP-Priority	P2	P5	P5	P5	P5	P5	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P3	P3	P4
RR	P1	P2	P3	P4	P5	P1	P3	P5	P1	P5	P1	P5	P1	P5	P1	P1	P1	P1	P1

Turnaround	P1	P2	P3	P4	P5
FCFS	10	11	13	14	19
SJF	19	1	4	2	9
NP-Priority	16	1	17	19	6
RR	19	1	7	4	14

Wait Time	P1	P2	P3	P4	P5
FCFS	0	10	11	13	14
SJF	19	0	2	1	4
NP-Priority	15	1	17	19	6
RR	19	1	6	4	14

Average Wait Time:

FCFS: 9.6   SJF: 5.2   NP-Priority: 11.6   RR: 8.8

Shortest Job First have the minimum wait time of 5.2