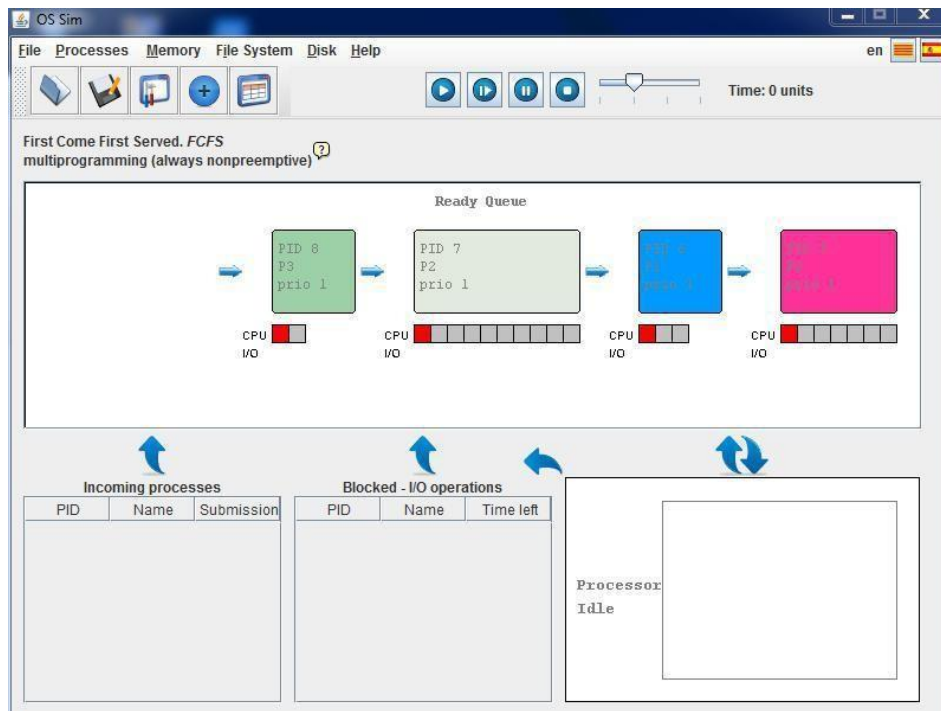


Nama : Vintan Kirana
NIM : L200180144
Kelas : C

Modul 11

1. FCFS

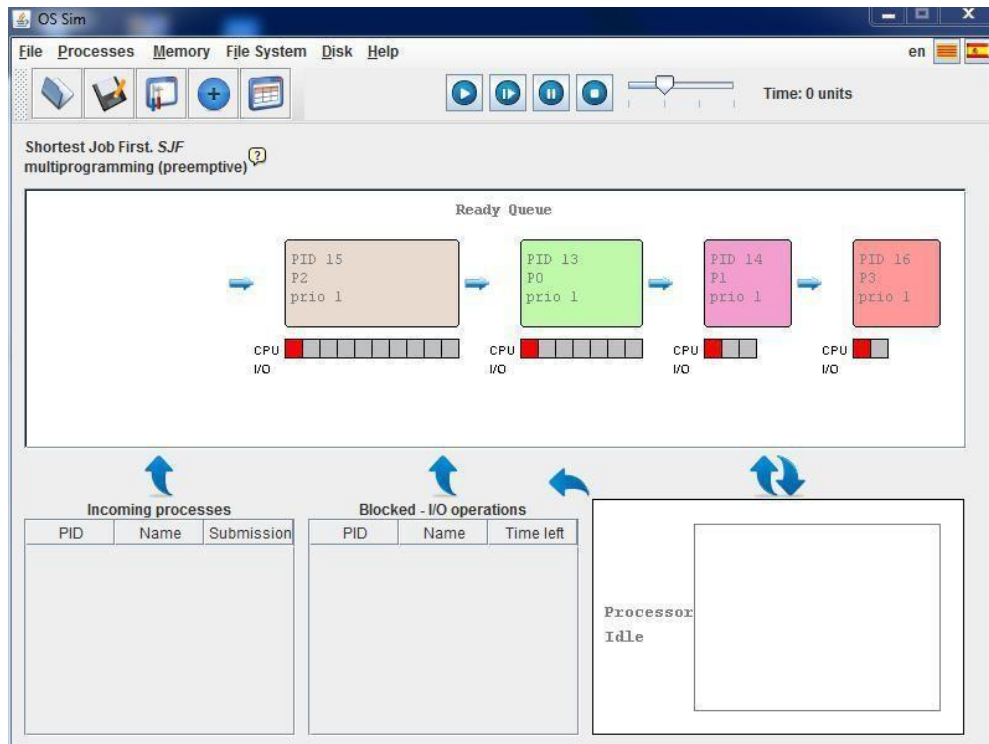


Hasil dari FCFS

Process Scheduling Information										
Efficiency (%)										
1.00										
Throughput (processes/time unit)										
0.18										
Avg. Turnaround Time (time)										
14.75										
Avg. Waiting Time (time)										
9.25										
Avg. Response Time (time)										
9.25										
PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
1	P0	1	0	-	7	0	0	7	1.0	0.0
2	P1	1	0	-	3	7	7	10	0.3	0.0
3	P2	1	0	-	10	10	10	20	0.5	0.0
4	P3	1	0	-	2	20	20	22	0.0909090...	0.0

2. SJFS

a. Preemptive



OS Sim

Hasil dari SJFS Preemptive

File Processes Memory File System Disk Help

en

Time: 22 units

Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.18

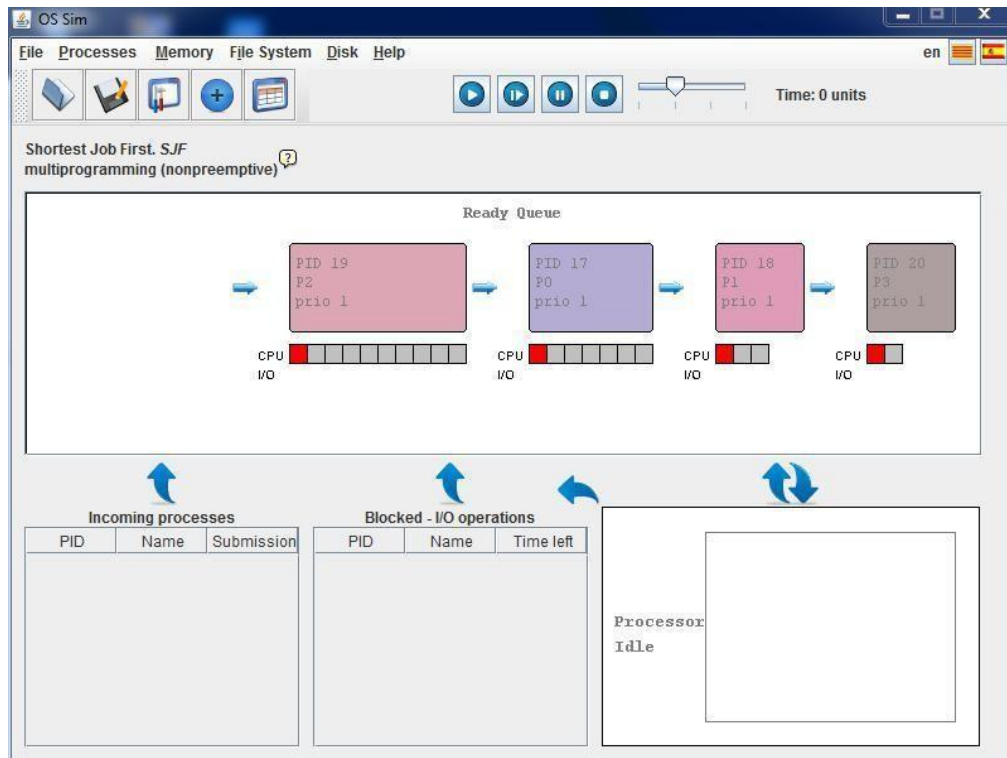
Avg. Turnaround Time (time) 10.25

Avg. Waiting Time (time) 4.75

Avg. Response Time (time) 4.75

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
16	P3	1	0	-	2	0	0	2	1.0	0.0
14	P1	1	0	-	3	2	2	5	0.6	0.0
13	P0	1	0	-	7	5	5	12	0.583333...	0.0
15	P2	1	0	-	10	12	12	22	0.454545...	0.0

b. Non-Premptive



Hasil dari SJFS Non-Premptive

Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.18

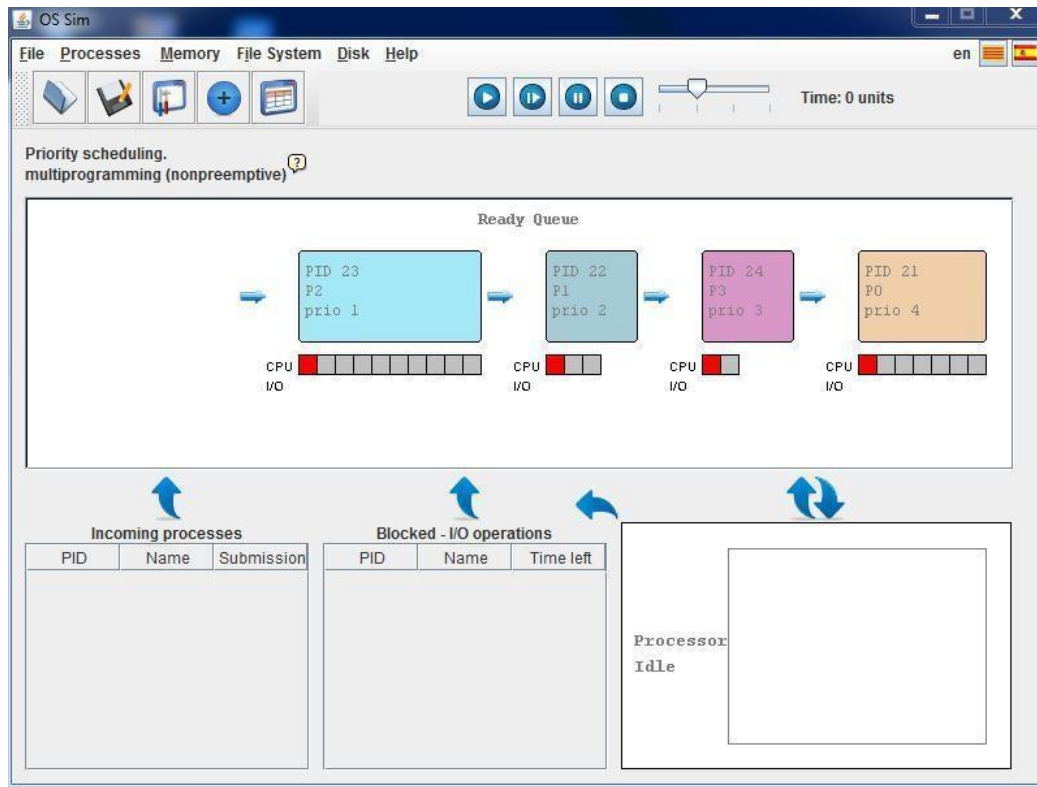
Avg. Turnaround Time (time) 10.25

Avg. Waiting Time (time) 4.75

Avg. Response Time (time) 4.75

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
20	P3	1	0	-	2	0	0	2	1.0	0.0
18	P1	1	0	-	3	2	2	5	0.6	0.0
17	P0	1	0	-	7	5	5	12	0.583333...	0.0
19	P2	1	0	-	10	12	12	22	0.454545...	0.0

3. Priority Scheduling



Hasil dari Priority Scheduling

Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.18

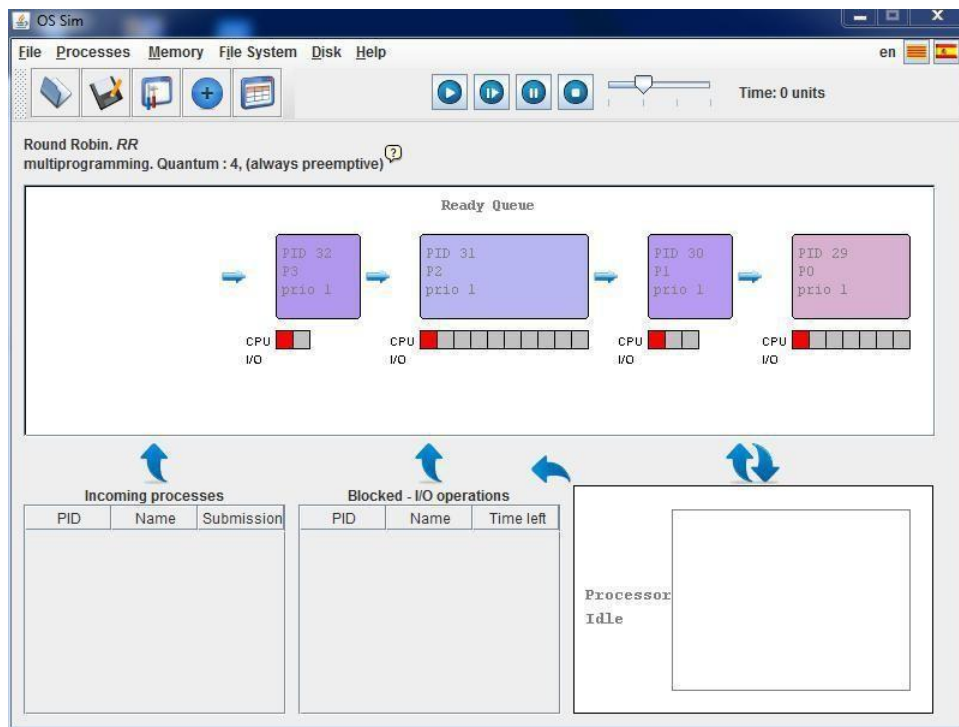
Avg. Turnaround Time (time) 12.50

Avg. Waiting Time (time) 7.00

Avg. Response Time (time) 7.00

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
21	P0	4	0	-	7	0	0	7	1.0	0.0
24	P3	3	0	-	2	7	7	9	0.222222...	0.0
22	P1	2	0	-	3	9	9	12	0.25	0.0
23	P2	1	0	-	10	12	12	22	0.454545...	0.0

4. Round Robin (Quantum Time = 4)



Hasil dari Round Robin

Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.18

Avg. Turnaround Time (time) 14.50

Avg. Waiting Time (time) 9.00

Avg. Response Time (time) 5.50

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
30	P1	1	0	-	3	4	4	7	0.4285714...	0.0
32	P3	1	0	-	2	11	11	13	0.1538461...	0.0
29	P0	1	0	-	7	0	9	16	0.4375	0.0
31	P2	1	0	-	10	7	12	22	0.4545454...	0.0

Time: 22 units