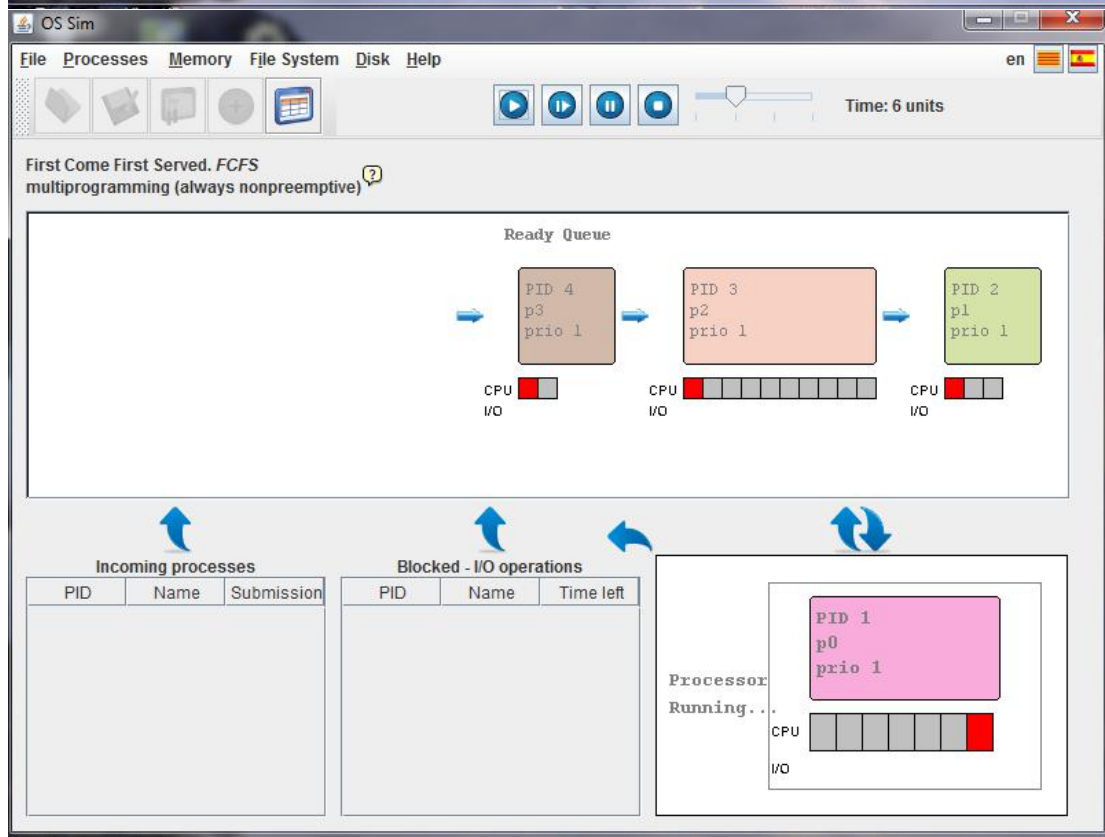
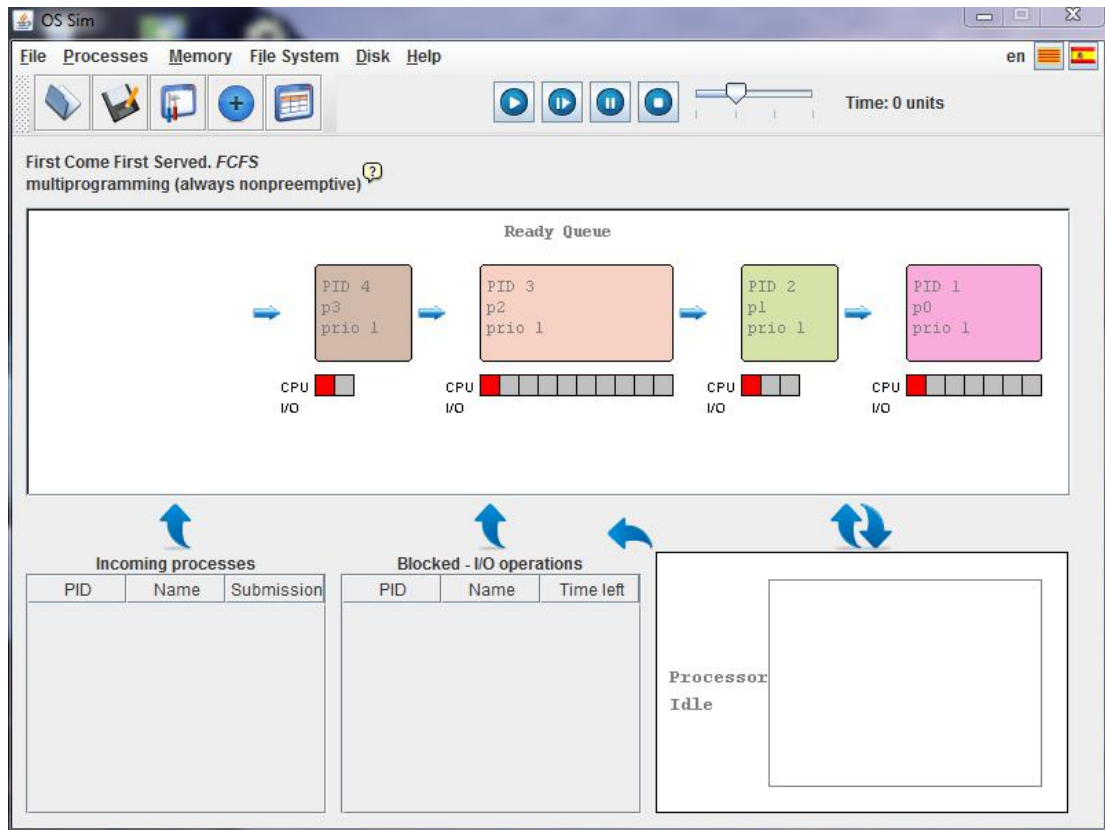


Nama : Ulin Nuha Trisiana  
NIM : L200180190  
Kelas E

**FCFS**

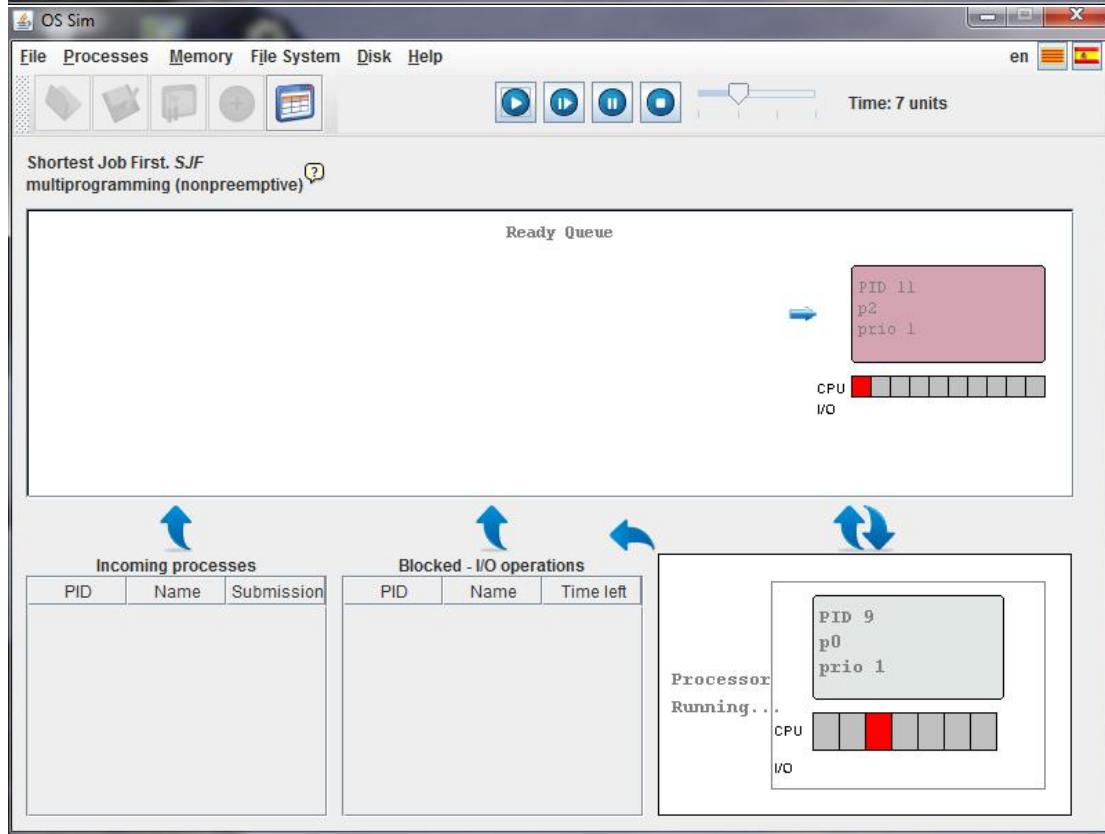
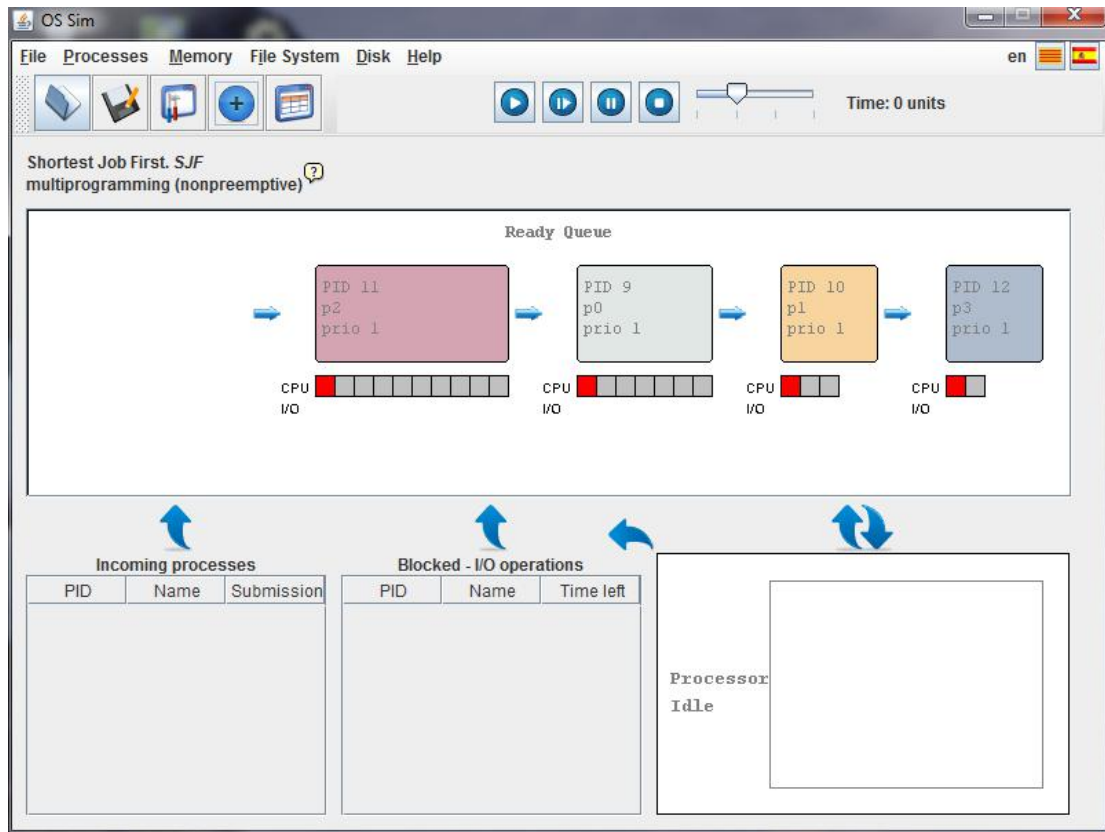


Process Scheduling Information										
<div> <div>Efficiency (%)</div> <div>1.00</div> </div> <div> <div>Throughput (processes/time unit)</div> <div>0.18</div> </div> <div> <div>Avg. Turnaround Time (time)</div> <div>14.75</div> </div> <div> <div>Avg. Waiting Time (time)</div> <div>9.25</div> </div> <div> <div>Avg. Response Time (time)</div> <div>9.25</div> </div>										
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	0.090909090...	0.0

Process	Wait time
P0	0
P1	7
P2	10
P3	20
Average Waiting Time	9.25
Average Turnaround Time	14.75
Average Response Time	9.25

## SJFS

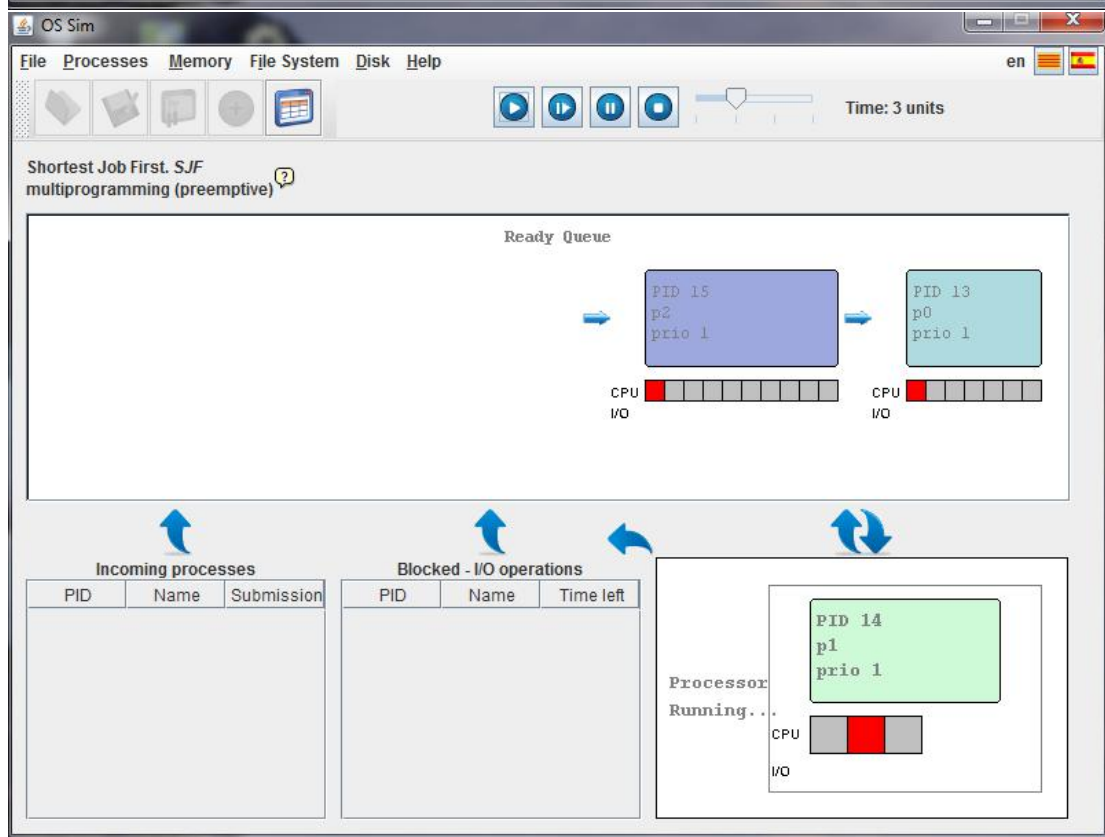
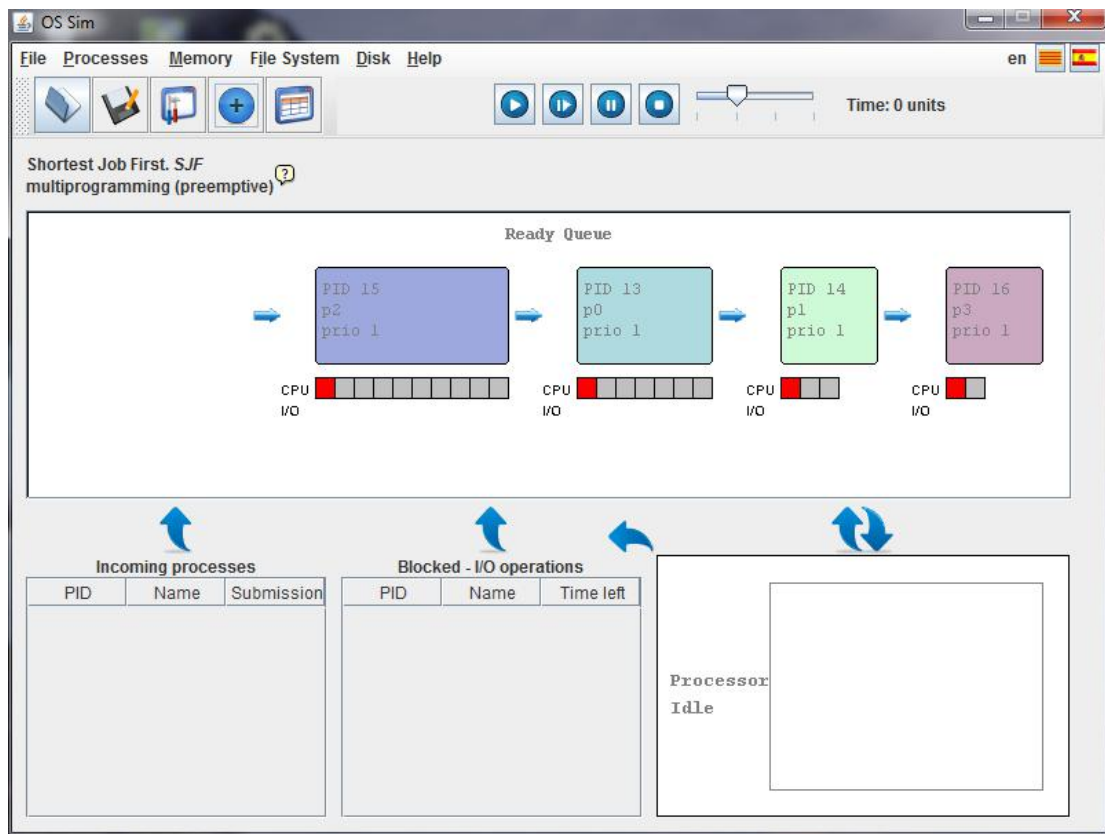
### a. Non-Preemptive



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
12	p3	1	0	-	2	0	0	2	1.0	0.0
10	p1	1	0	-	3	2	2	5	0.6	0.0
9	p0	1	0	-	7	5	5	12	0.5833333...	0.0
11	p2	1	0	-	10	12	12	22	0.4545454...	0.0

Process	Wait time
P0	0
P1	2
P2	5
P3	12
Average Waiting Time	4.75
Average Turnaround Time	10.25
Average Response Time	4.75

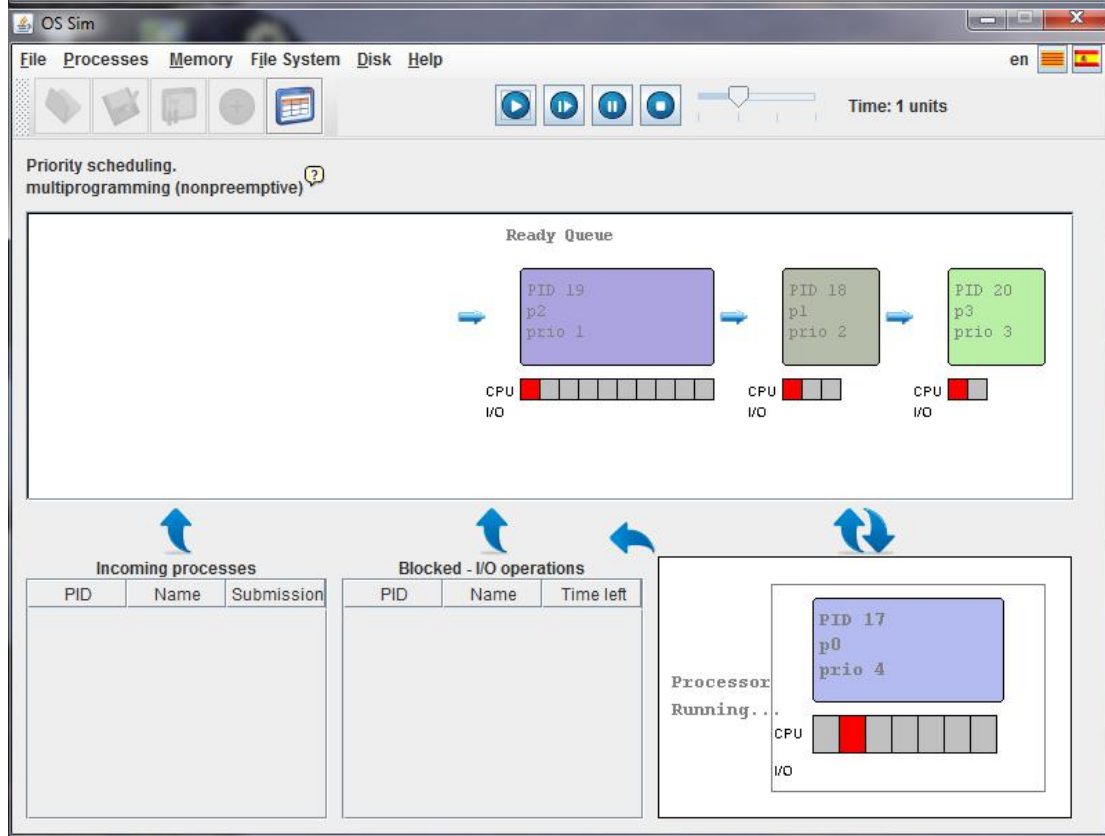
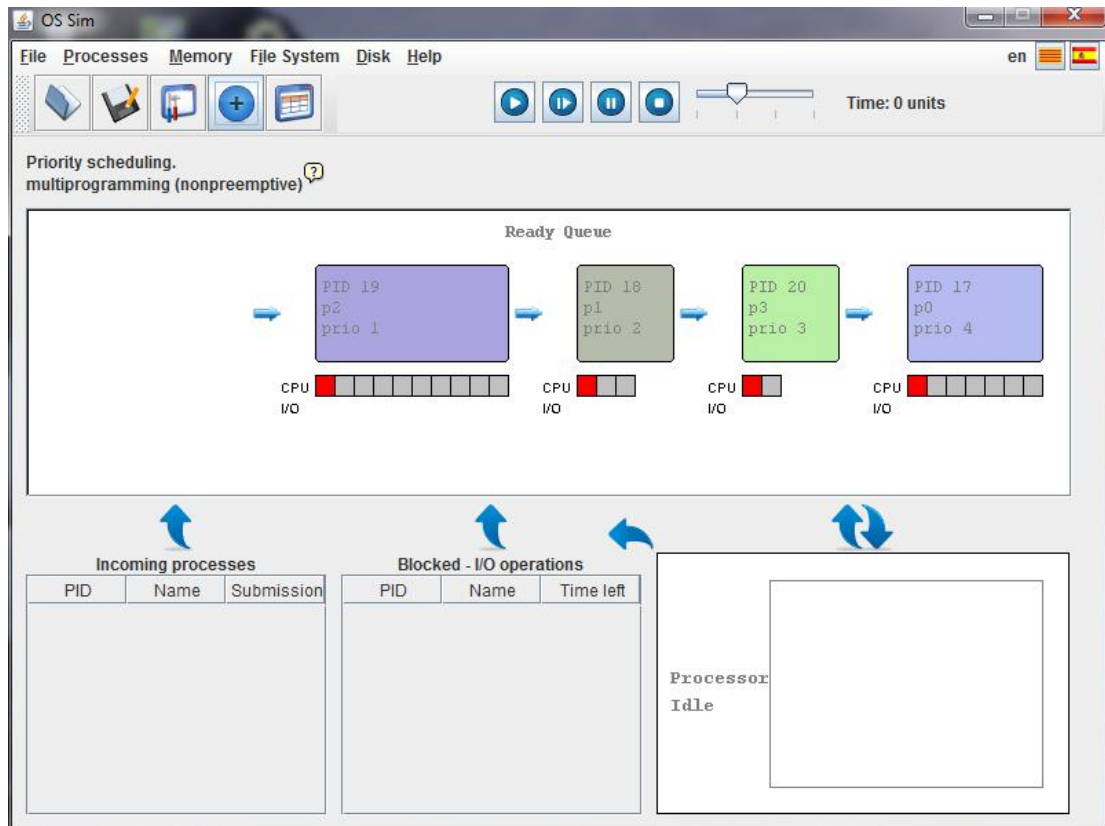
## b. Preemptive



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	0.5833333...	0.0
15	p2	1	0	-	10	12	12	22	0.4545454...	0.0

Process	Wait time
P0	0
P1	2
P2	5
P3	12
Average Waiting Time	4.75
Average Turnaround Time	10.25
Average Response Time	4.75

## Priority Scheduling

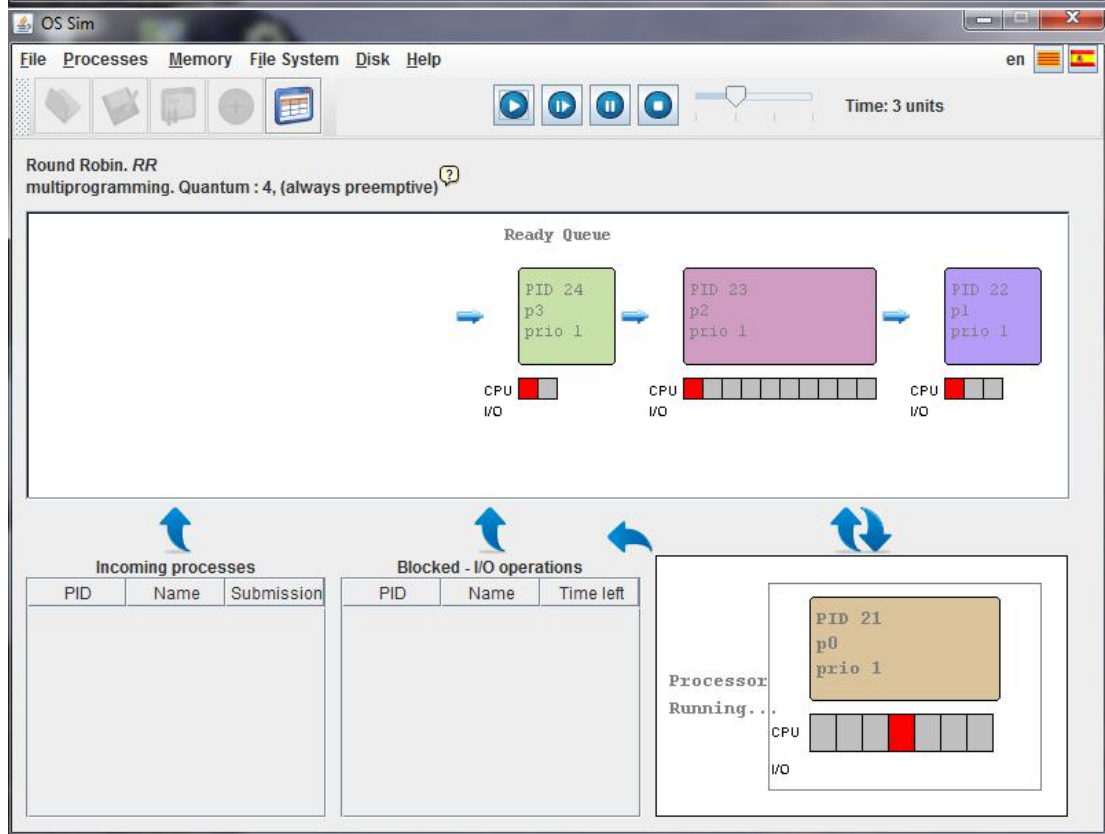
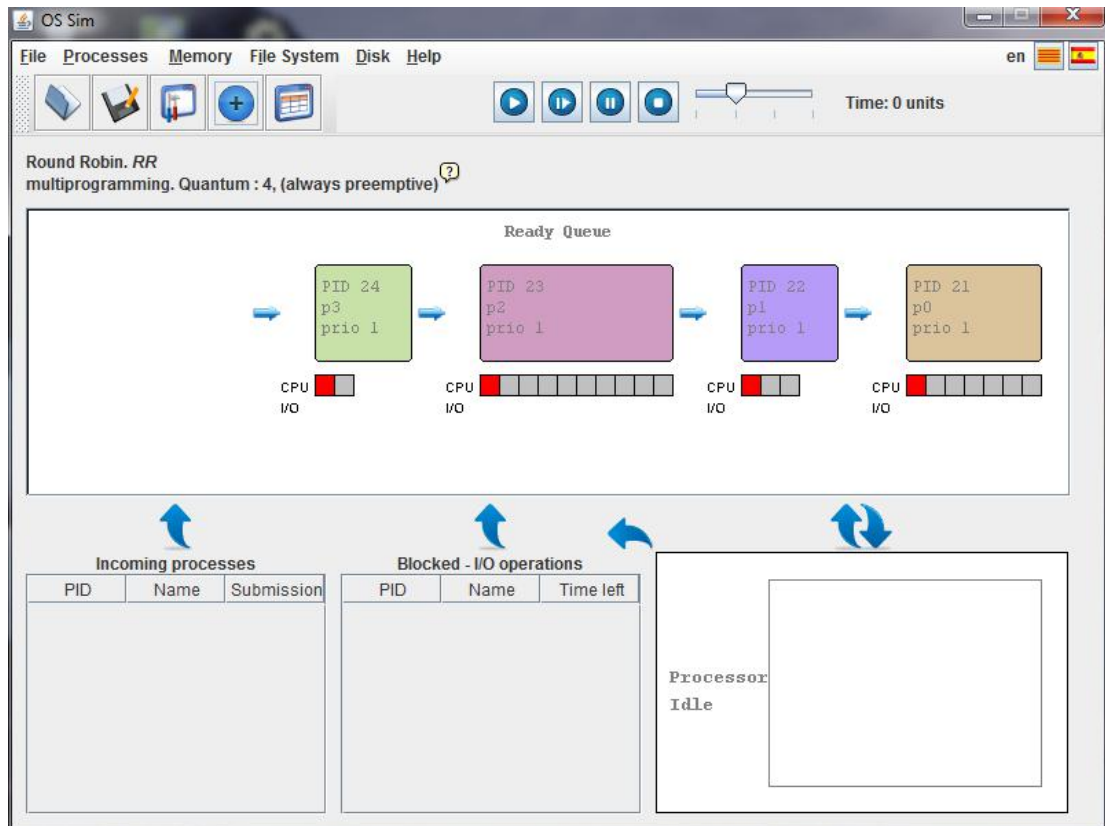




Process Scheduling Information										
Efficiency (%)		1.00								
Throughput (processes/time unit)		0.18								
Avg. Turnaround Time (time)		12.50								
Avg. Waiting Time (time)		7.00								
Avg. Response Time (time)		7.00								
PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
17	p0	4	0	-	7	0	0	7	1.0	0.0
20	p3	3	0	-	2	7	7	9	0.222222...	0.0
18	p1	2	0	-	3	9	9	12	0.25	0.0
19	p2	1	0	-	10	12	12	22	0.454545...	0.0

Process	Wait time
P0	0
P1	7
P2	9
P3	12
Average Waiting Time	7.00
Average Turnaround Time	12.50
Average Response Time	7.00

## Round Robin



Process Scheduling Information										
<div> <div>Efficiency (%)</div> <div>1.00</div> </div> <div> <div>Throughput (processes/time unit)</div> <div>0.18</div> </div> <div> <div>Avg. Turnaround Time (time)</div> <div>14.50</div> </div> <div> <div>Avg. Waiting Time (time)</div> <div>9.00</div> </div> <div> <div>Avg. Response Time (time)</div> <div>5.50</div> </div>										
PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
22	p1	1	0	-	3	4	4	7	0.4285714...	0.0
24	p3	1	0	-	2	11	11	13	0.1538461...	0.0
21	p0	1	0	-	7	0	9	16	0.4375	0.0
23	p2	1	0	-	10	7	12	22	0.4545454...	0.0

Process	Wait time
P0	4
P1	11
P2	9
P3	12
Average Waiting Time	9.00
Average Turnaround Time	14.50
Average Response Time	5.50