Nama : Amron Akhsanul 'Arif

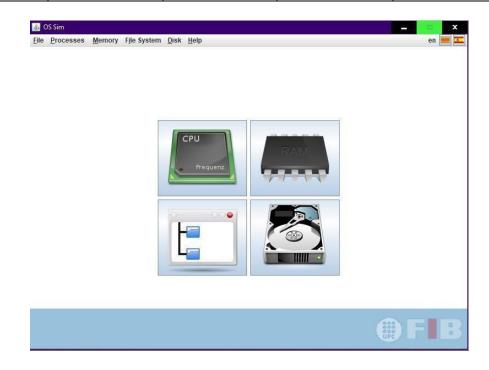
NIM : L200180105

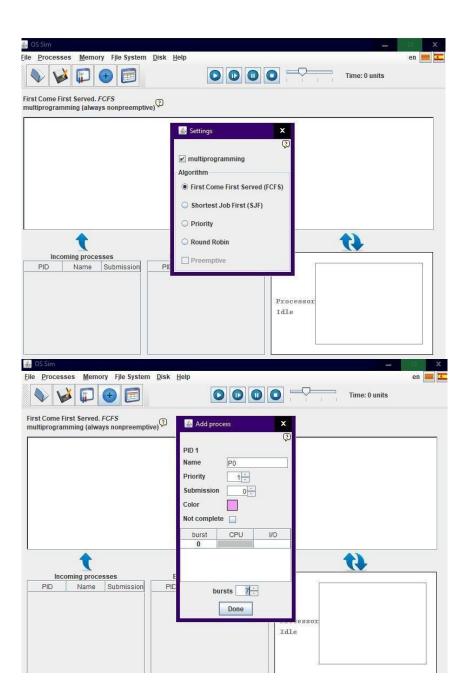
Kelas : C

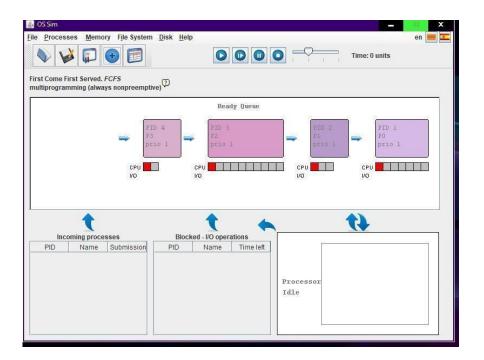
#### **MODUL 11**

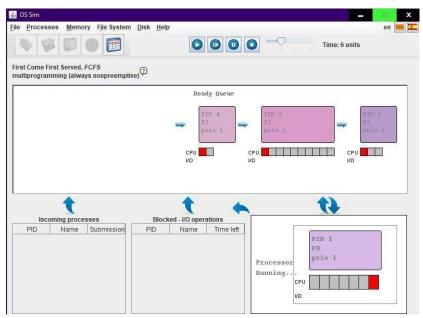
### 1. FCFS

Proses	Arrival time	Burst time	Service time	Priority
P0	0	7	0	4
P1	1	3	7	2
P2	2	10	10	1
P3	3	2	20	3







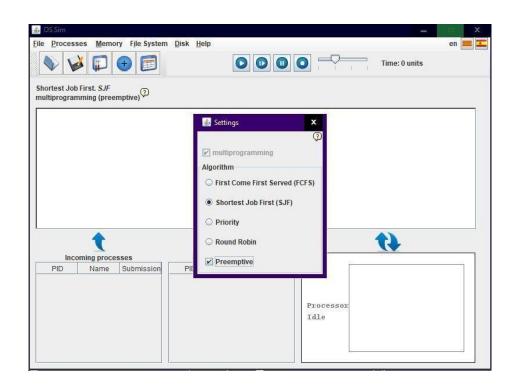


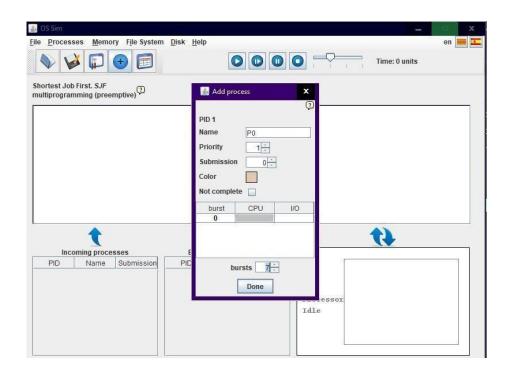
vg. Turnaround Time (time) 14.75 vg. Waiting Time (time) 9.25															
vg. Waiting Time (time) 9.25						0.18									
				14.7!											
vg. Response Time (time) 9.25		Avg. Waiting Time (time)													
vg. Response Time (time) 9.25															
								9.25	e)	ise Time (tim	vg. Respoi				
					ay ag			Total Total							
PID Name Priority Submission Periodic CPU Response Waiting Turnaround %	PU % 10	% CPU	Turnaround	Waiting	Response	CPU	Periodic	Submission	Priority	Name	PID				
	0.0	1.0	7	0	0	7	8	0	1	P0					
	3 0.0	0.3	10	7	7	3	8	0	1	P1					
		0.5	20	10	10	10		0	1	P2	3				
	0.0	0.0909090	22 0	20	20	2		0	1	P3	4				

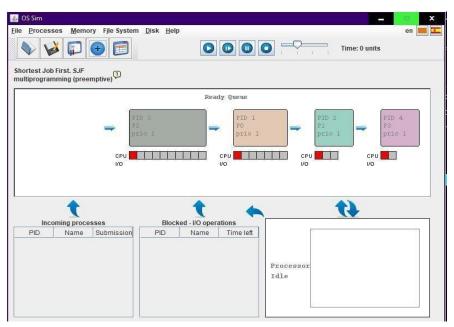
Process	Wait time
P0	0
P1	7
P2	10
P3	20
Avg. waiting time	9.25
Avg. Turnaround	14.75
Avg. Response	9.25

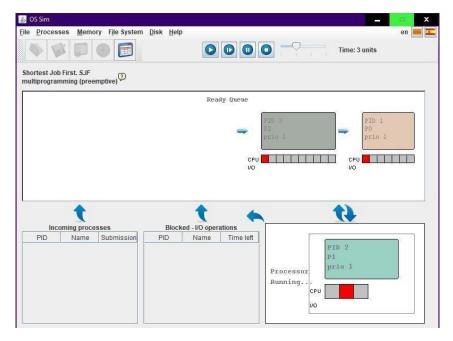
#### 2. SJFS

#### a. Premivite





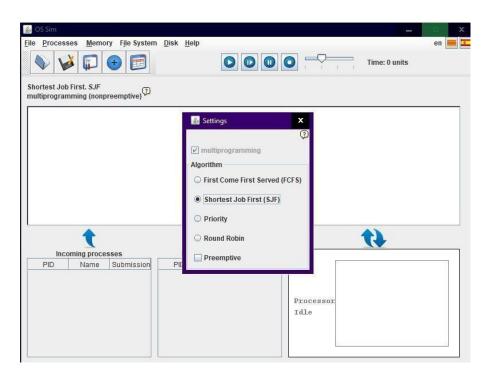


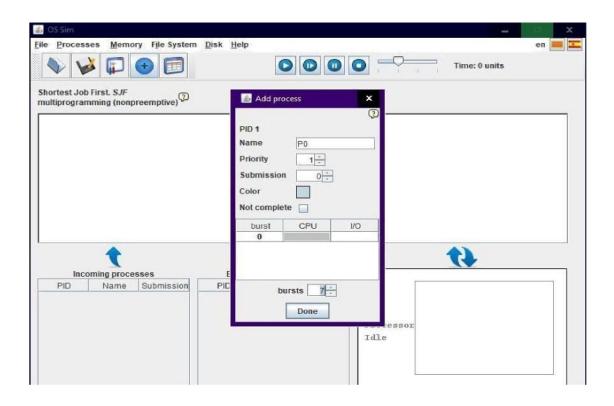


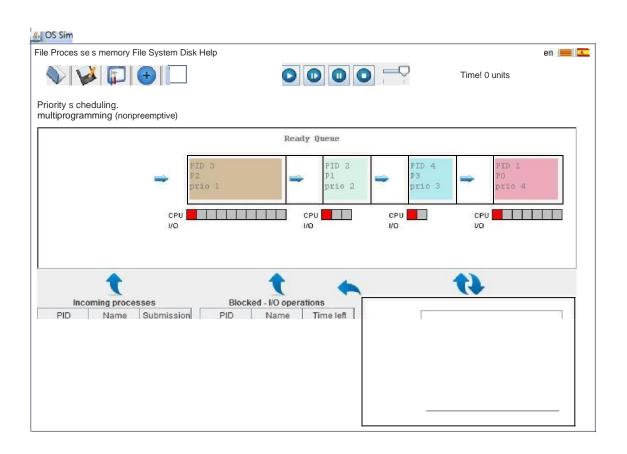
roughpu	(processes/t	ime unit)	0.18							
mougnpu	(processes)	ano unity	0.10							
lvg. Turnai	ound Time (tir	me)	10.25							
vg. Waitin	g Time (time)		4.75							
Avg. Respo	nse Time (tim	e)	4.75							
Avg. Respo	nse Time (tim	e)	4.75							
Avg. Respo	nse Time (tim	e) Priority	4.75 Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
PID 4				Periodic -	2	Response 0	Waiting 0	2	% CPU	% IO 0.0
PID	Name	Priority	Submission		2	0 2	0 2	5	1.0 0.6	
PID 4	Name P3	Priority 1	Submission 0	22	2	0	0	2 5 12	1.0	0.0

Process	Wait time
P0	5
P1	2
P2	12
P3	0
Avg. waiting time	4.75
Avg. Turnaround	10.25
Avg. Response	4.75

## b. Non premitive



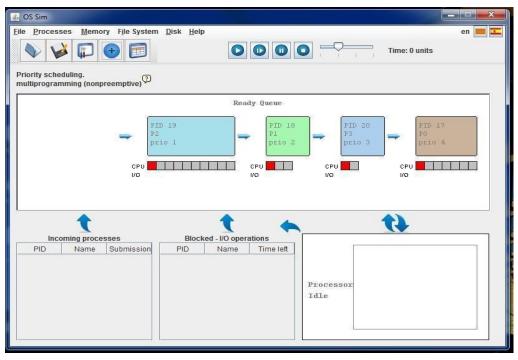


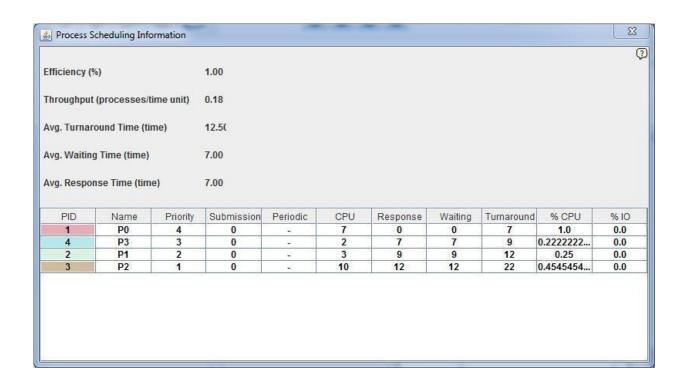


roughpu	(processes/	ime unit)	0.18									
ıg. Turnaı	round Time (ti	me)	10.25									
Avg. Waiting Time (time)		4.75										
Avg. waiting time (time)			4.70									
g. Respo	nse Time (tim	e)	4.75									
						1-22	100000000000000000000000000000000000000	Total Control	I THEOREM I			
PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO		
4	P3	11	0	9 ]	2	0	0	2	1.0	0.0		
2	P1	1	0	¥ [	3	2	2	5	0.6	0.0		
	P0	1	0		7	5	5		0.5833333	0.0		
1 P0 1 3 P2 1			0 - 10 12 12 22 0.4545454 0.0									

Process	Wait time
PO	5
P1	2
P2	12
Р3	0
Avg. waiting time	4.75
Avg. Turnaround	10.25
Avg. Response	4.75

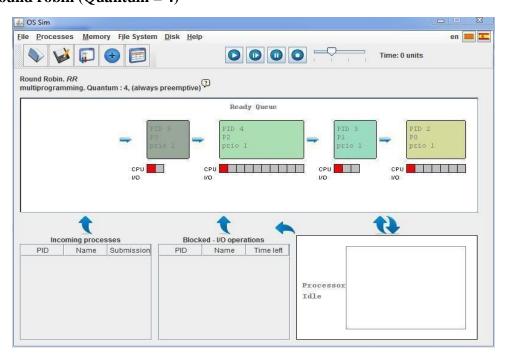
# 3. Priority scheduling

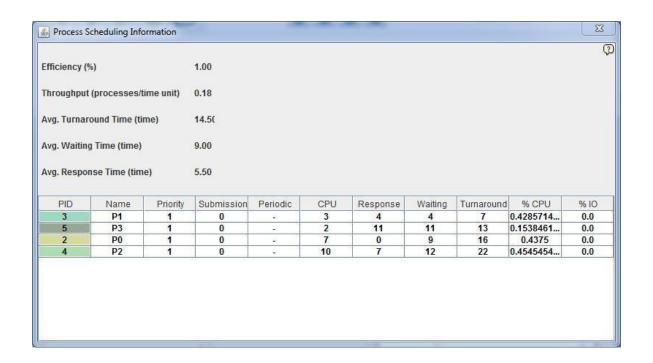




Process	Wait time
P0	0
P1	9
P2	12
P3	7
Avg. waiting time	7.00
Avg. Turnaround	12.50
Avg. Response	7.00

#### 4. Round robin (Quantum = 4)





Process	Wait time
P0	9
P1	4
P2	12
Р3	11
Avg. waiting time	9.00
Avg. Turnaround	14.50
Avg. Response	5.50