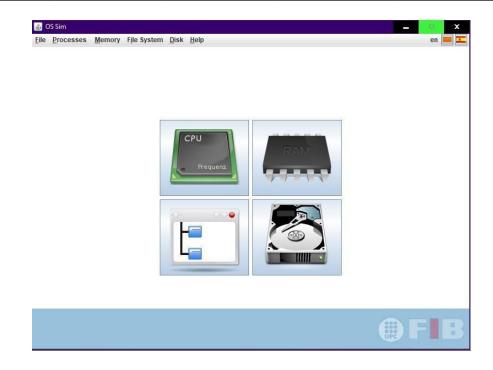
Nama : Aji Mustaqim

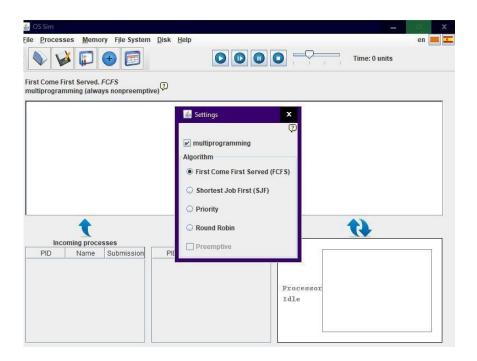
NIM : L200180141/C

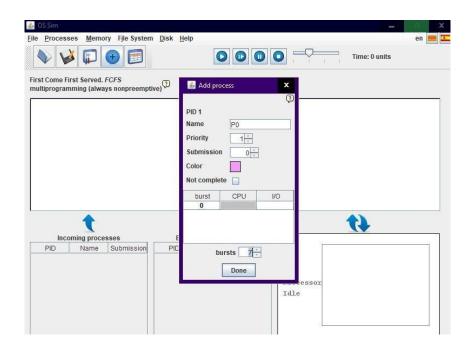
## SO MODUL 11

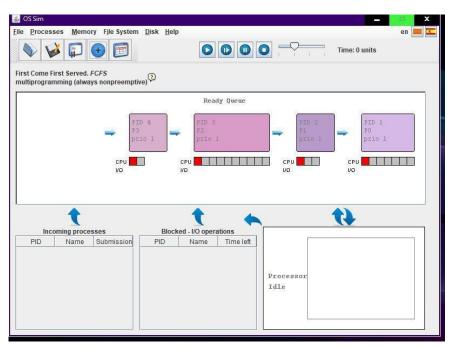
## 1. FCFS

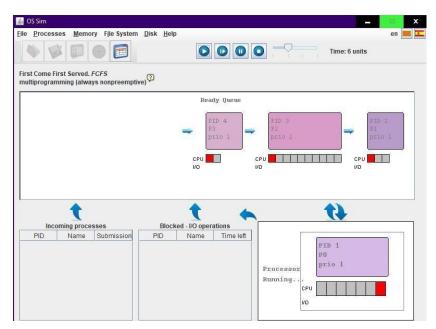
Proses	Arrival time	Burst time	Service time	Priority
Р0	0	7	0	4
P1	1	3	7	2
P2	2	10	10	1
Р3	3	2	20	3









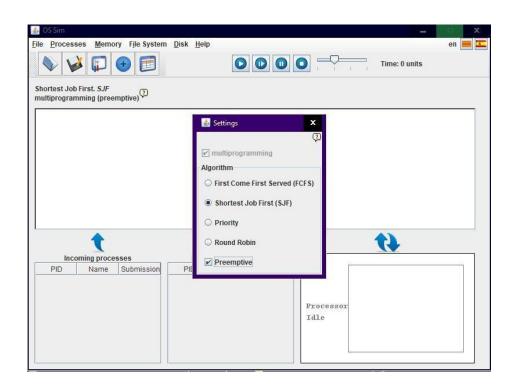


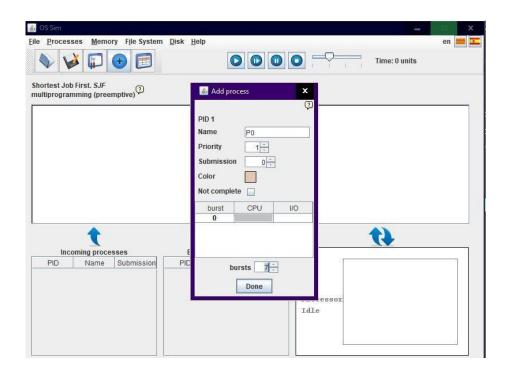
			0.18	0.18							
			14.75								
			9.25								
ry, rraitin	g rime (ame)		DIEG								
ua Doone	- Time - Mine	-1	9.25								
avg. Respo	nse Time (tim	le)	9.23								
avg. Kespo	nse rime (um	le)	9.25			4) 45		45 %	÷		
PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO	
PID 1		iaw:		Periodic -	CPU 7	Response 0	Waiting 0	Turnaround 7	% CPU	% IO 0.0	
PID	Name	Priority	Submission	The second secon			-				
PID 1	Name P0	Priority 1	Submission 0	-	7	0	0	7 10 20	1.0	0.0	

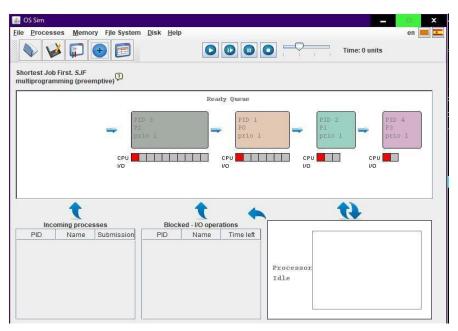
Process	Wait time
P0	0
P1	7
P2	10
Р3	20
Avg. waiting time	9.25
Avg. Turnaround	14.75
Avg. Response	9.25

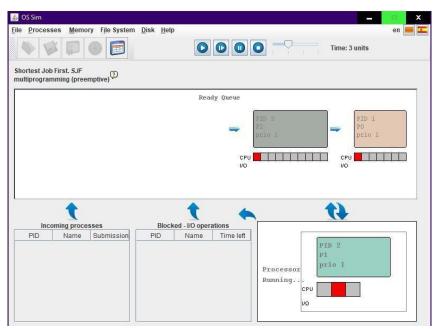
### 2. SJFS

### a. Premivite





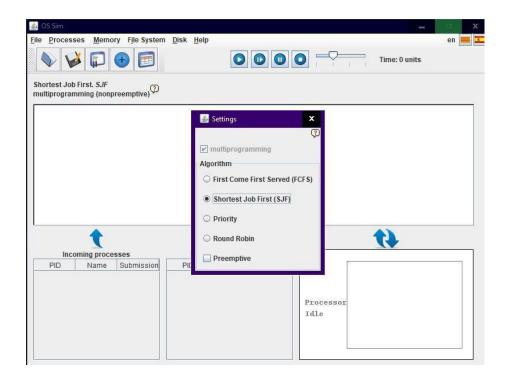


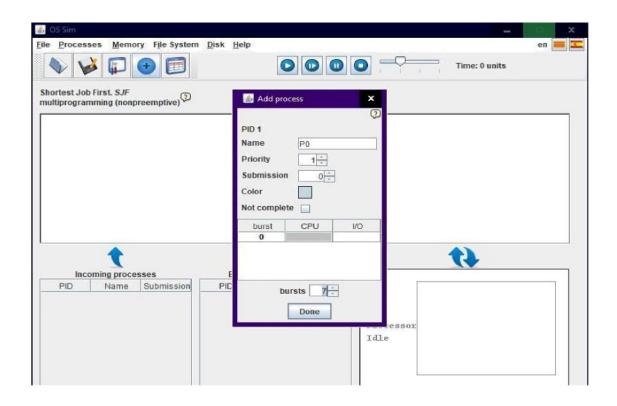


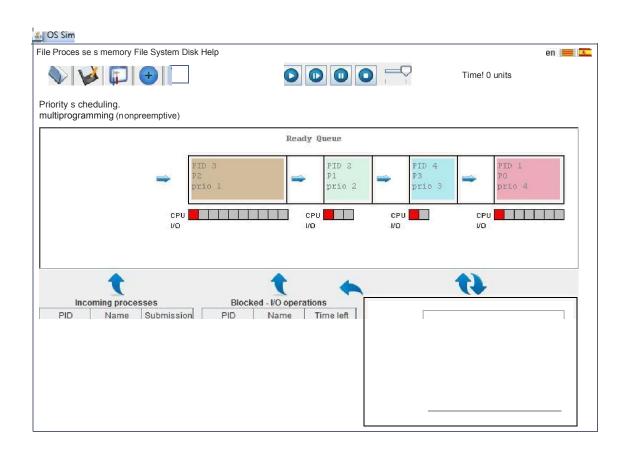
roughput	(processes/t	ime unit)	0.18								
vg. Turnar	ound Time (tir	me)	10.25								
va Waitin	g Time (time)		4.75								
vg. vvaium	g rime (ume)		4.73								
vg. Respo	nse Time (tim	e)	4.75								
Avg. Respo	nse Time (tim	e)	4.75								
Avg. Respo	nse Time (tim	e) Priority	4.75 Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO	
				Periodic -	CPU 2	Response 0	Waiting 0	Turnaround 2	% CPU 1.0	% IO 0.0	
PID	Name	Priority	Submission								
PID 4	Name P3	Priority 1	Submission 0	22	2	0	0	5	1.0	0.0	

Process	Wait time
P0	5
P1	2
P2	12
Р3	0
Avg. waiting time	4.75
Avg. Turnaround	10.25
Avg. Response	4.75

## b. Non premitive



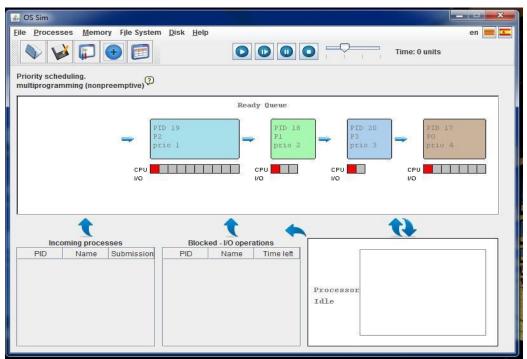


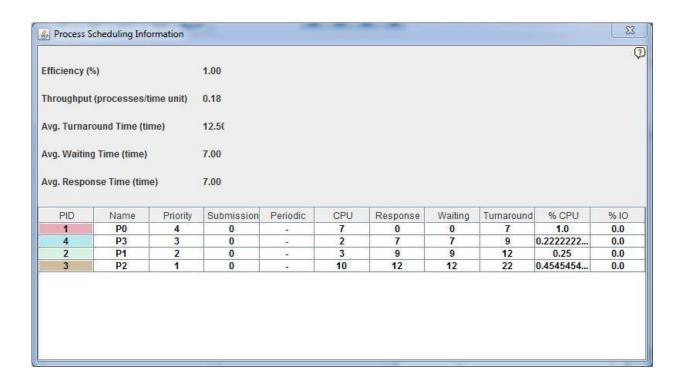


fficiency (		. Name								
Throughput (processes/time unit)  Avg. Turnaround Time (time)			0.18 10.25							
576										
vg. Respo	nse Time (tim	e)	4.75							
PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
4	P3	1	0	-	2	0	0	2	1.0	0.0
	P1	1	0	¥ i	3	2	2	5	0.6	0.0
2						5	5	12	0.5833333	
2	P0	1	0	4	7	3	3	12	0.3033333	0.0

Process	Wait time
P0	5
P1	2
P2	12
Р3	0
Avg. waiting time	4.75
Avg. Turnaround	10.25
Avg. Response	4.75

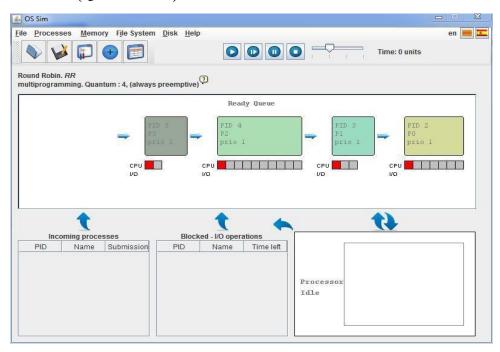
# 3. Priority scheduling

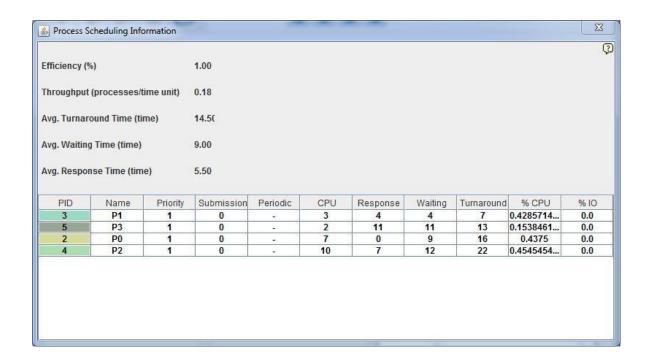




Process	Wait time
P0	0
P1	9
P2	12
Р3	7
Avg. waiting time	7.00
Avg. Turnaround	12.50
Avg. Response	7.00

#### 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