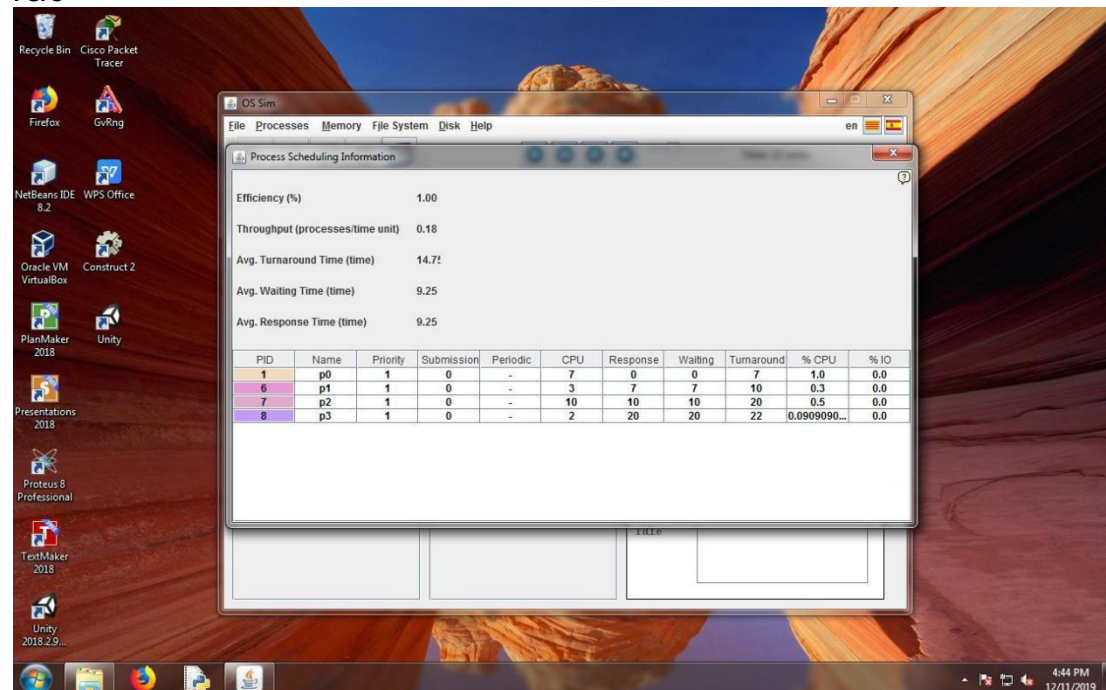


Nama : MUHAMMAD  
 ROSYAD ADI PRATAMA  
 Nim :L200180211  
 Kelas : E

### SOAL

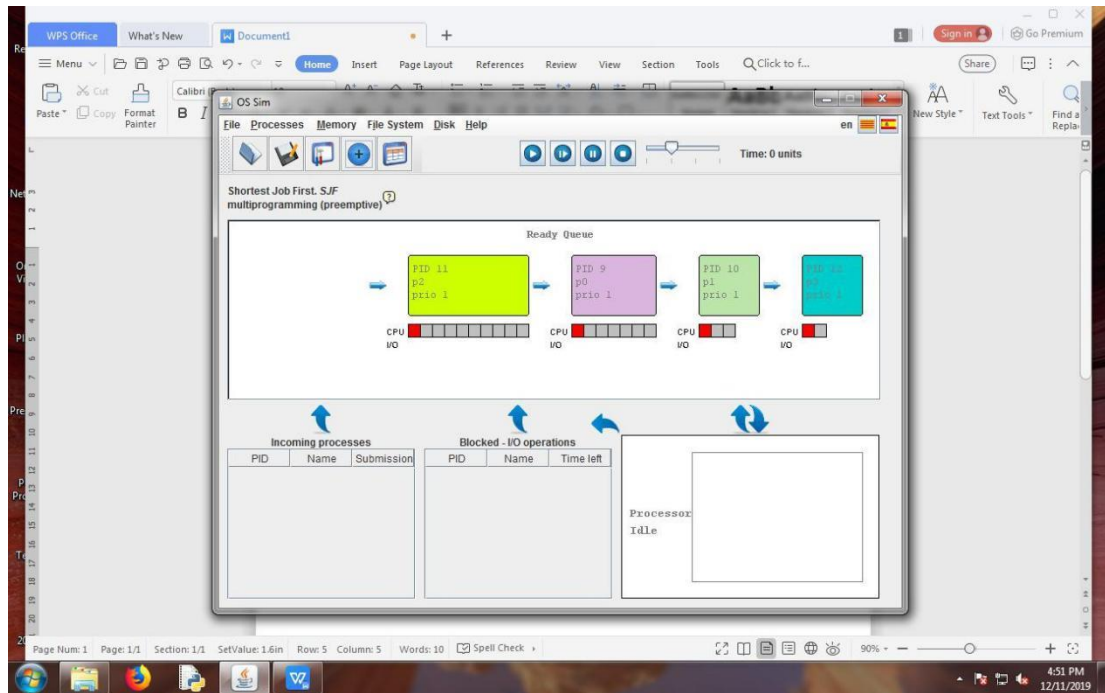
proses	Arrival time	Burst time	Servise time	priority
P0	0	7	0	4
P1	1	3	7	2
P2	2	10	10	1
P3	3	2	20	3

### FCFS



Process	Waiting Time
P0	0
P1	7
P2	10
P3	20
Average time	9.25
Average turnround	14.75
Average respon	9.25

### SJF PREMTIVE



Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.18

Avg. Turnaround Time (time) 10.25

Avg. Waiting Time (time) 4.75

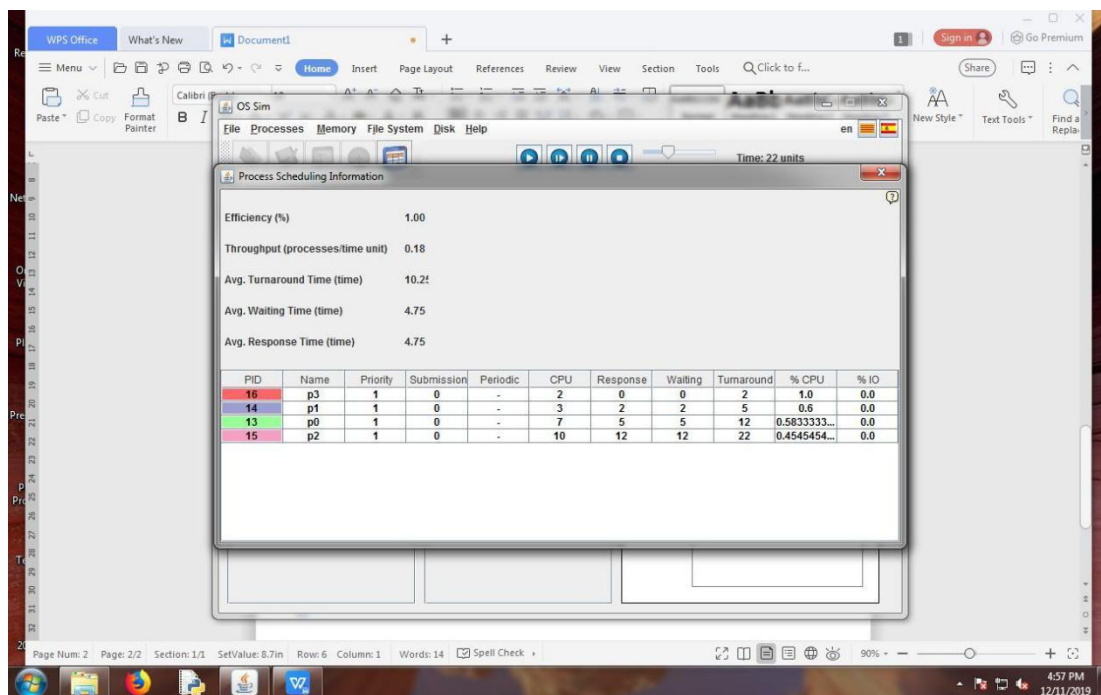
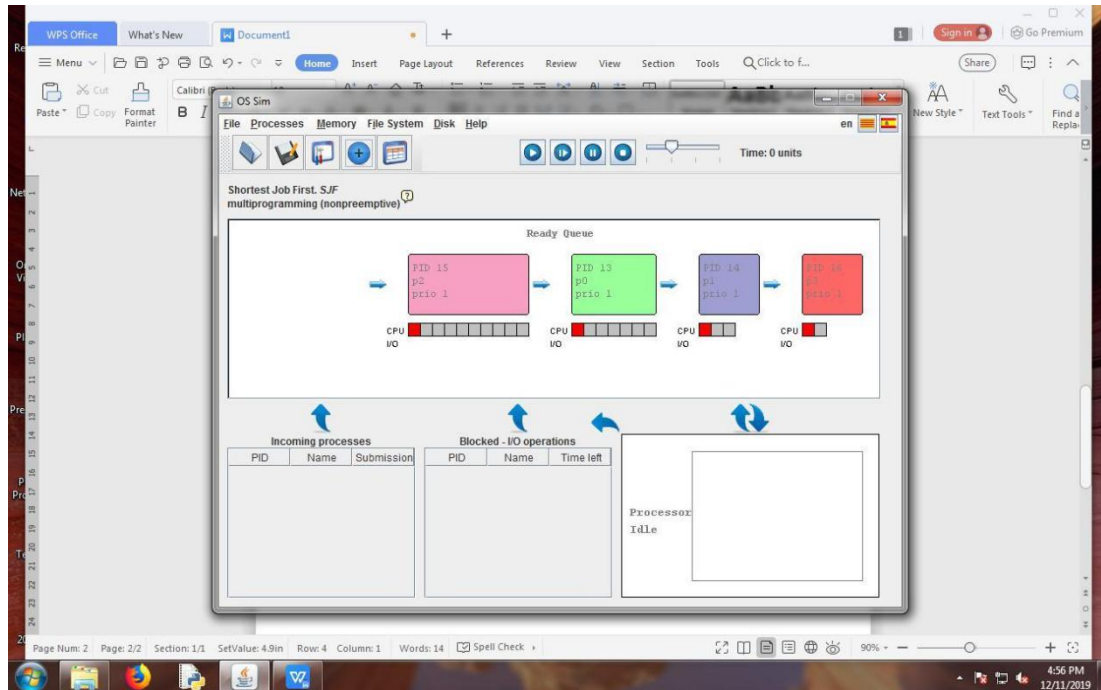
Avg. Response Time (time) 4.75

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

Time: 22 units

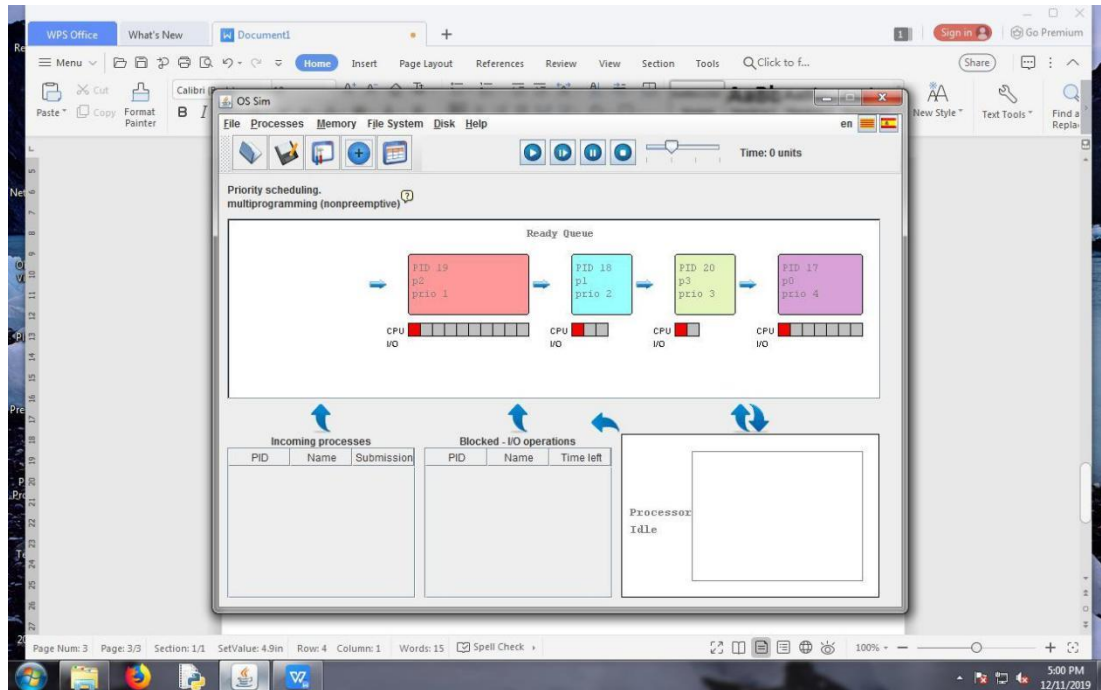
Process	Waiting Time
P0	5
P1	2
P2	12
P3	0
Average time	4.75
Average turnround	10.25
Average respon	4.75

## NON PREEMPTIVE



Process	Waiting Time
P0	5
P1	2
P2	12
P3	0
Average time	4.75
Average turnround	10.25
Average respon	4.75

## PRIORITY



Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.18

Avg. Turnaround Time (time) 12.50

Avg. Waiting Time (time) 7.00

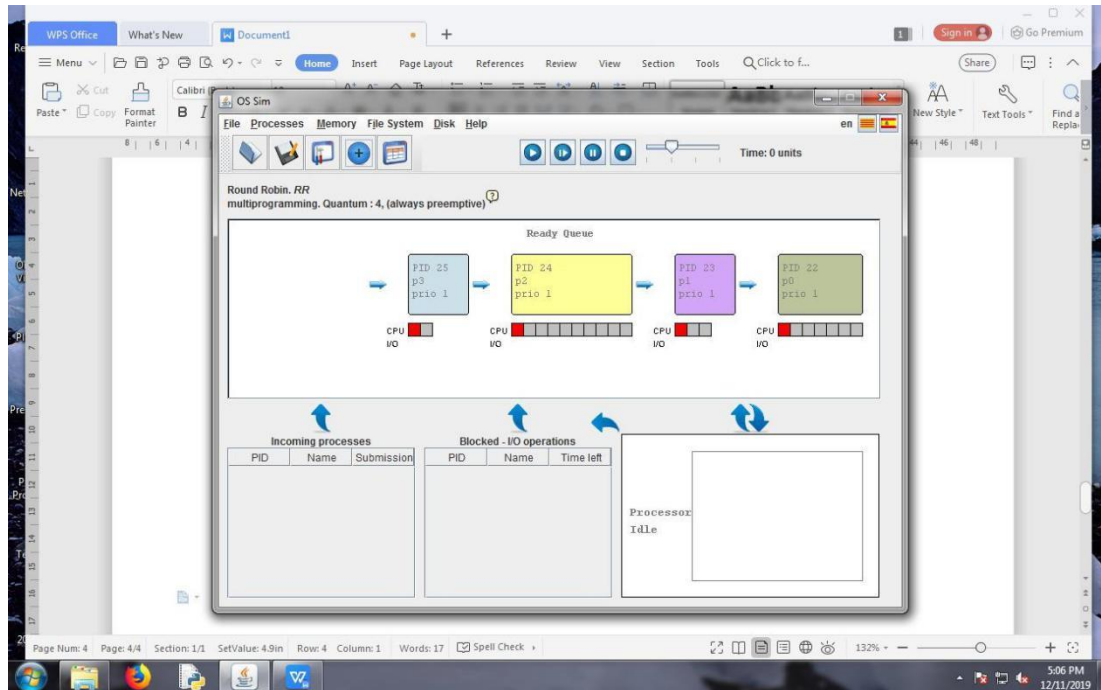
Avg. Response Time (time) 7.00

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
17	p0	4	0	-	7	0	0	7	4.0	0.0
20	p3	3	0	-	2	7	7	9	0.2222222...	0.0
18	p1	2	0	-	3	9	9	12	0.25	0.0
19	p2	1	0	-	10	12	12	22	0.4545454...	0.0

Time: 22 units

Process	Waiting Time
P0	0
P1	9
P2	12
P3	7
Average time	7.00
Average turnround	12.50
Average respon	7.00

## 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
23	p1	1	0	-	3	4	4	7	0.4285714...	0.0
25	p3	1	0	-	2	11	11	13	0.1538461...	0.0
22	p0	1	0	-	7	0	9	16	0.4375	0.0
24	p2	1	0	-	10	7	12	22	0.4545454...	0.0

Process	Waiting Time
P0	9
P1	4
P2	12
P3	11
Average time	9.00
Average turnaround	14.50
Average response	5.50