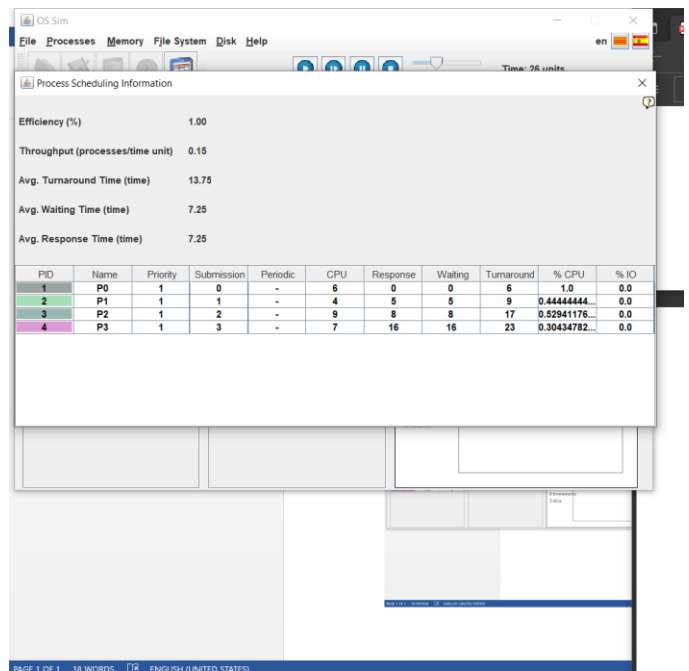
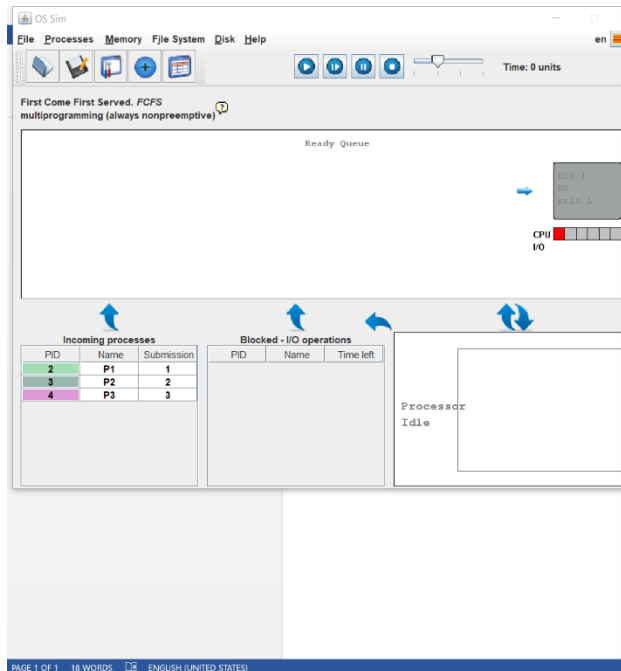


Nama : Maya Nurkhayati
 NIM : L200210220
 Kelas : E

Kegiatan 1. Penjadwalan Proses

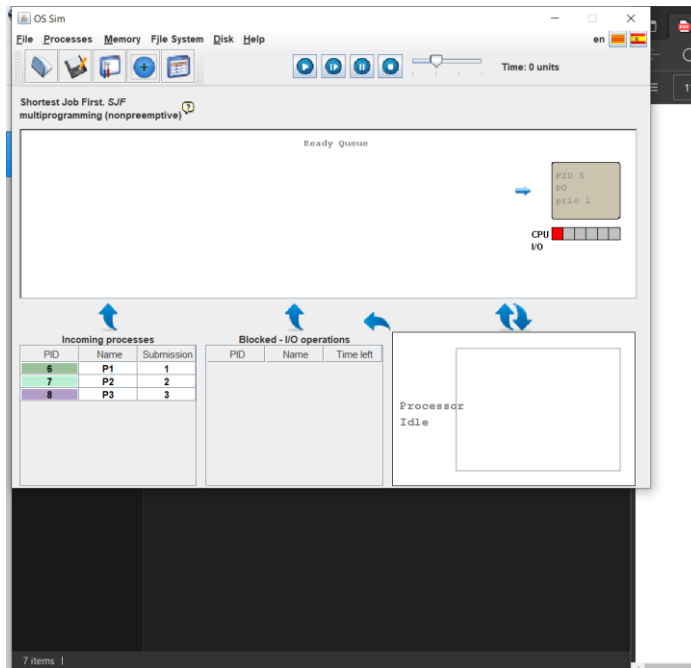
1.1 First-Come, First-Served (FCFS)



Process	Wait Time
P0	0
P1	5
P2	8
P3	16
Av wait time	7.25

Kesimpulan : Bentuk algoritma penjadwalan disk yang system kerjanya melayani permintaan yang lebih dahulu datang.

1.2 Shortest Job First (SJF)



OS Sim

File Processes Memory File System Disk Help

Time: 26 units

Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.15

Avg. Turnaround Time (time) 13.25

Avg. Waiting Time (time) 6.75

Avg. Response Time (time) 6.75

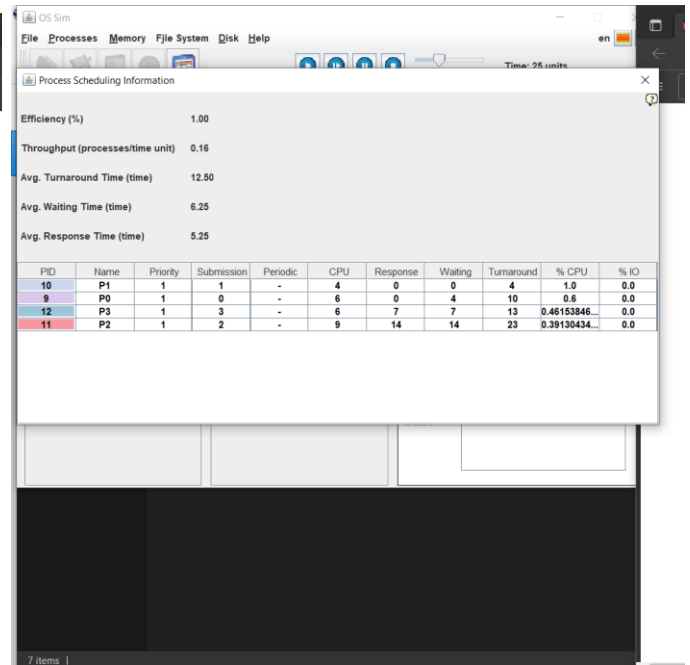
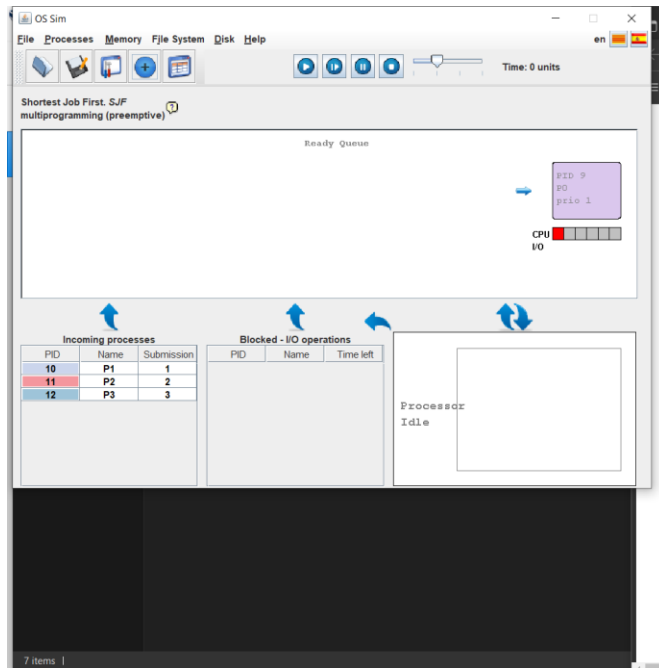
PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
5	P0	1	0	-	6	0	0	6	1.0	0.0
6	P1	1	1	-	4	5	5	9	0.44444444	0.0
8	P3	1	3	-	7	7	7	14	0.5	0.0
7	P2	1	2	-	9	15	15	24	0.375	0.0

7 items

NON-Preemptive

Process	Wait Time
P0	0
P1	5
P2	7
P3	15
Av wait time	6.25

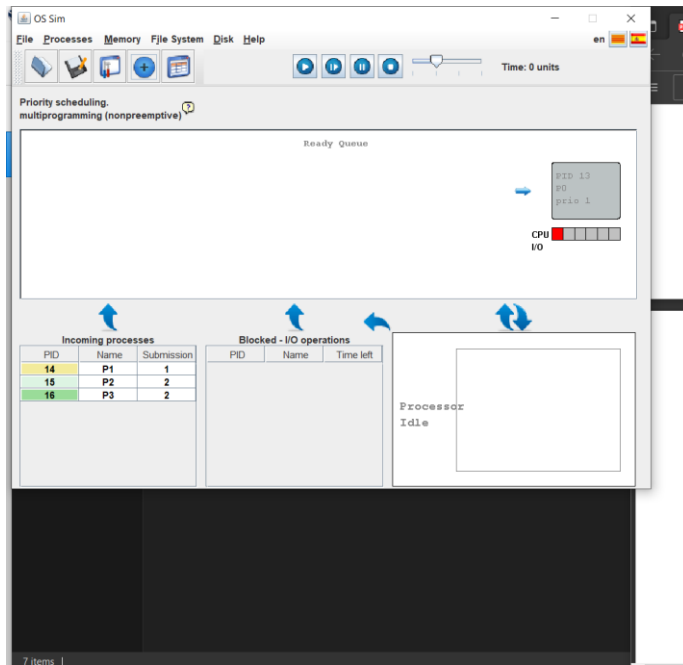
PREEMTIVE



Process	Wait Time
P0	0
P1	6
P2	7
P3	14
Av wait time	6.25

Kesimpulan : merupakan algoritma yang melayani permintaan berdasarkan waktu pencarian yang paling kecil dari posisi head terakhir.

1.3 Priority



OS Sim

File Processes Memory File System Disk Help

en

Time: 36 units

Process Scheduling Information

Efficiency (%) 1.00

Throughput (processes/time unit) 0.15

Avg. Turnaround Time (time) 13.50

Avg. Waiting Time (time) 7.00

Avg. Response Time (time) 7.00

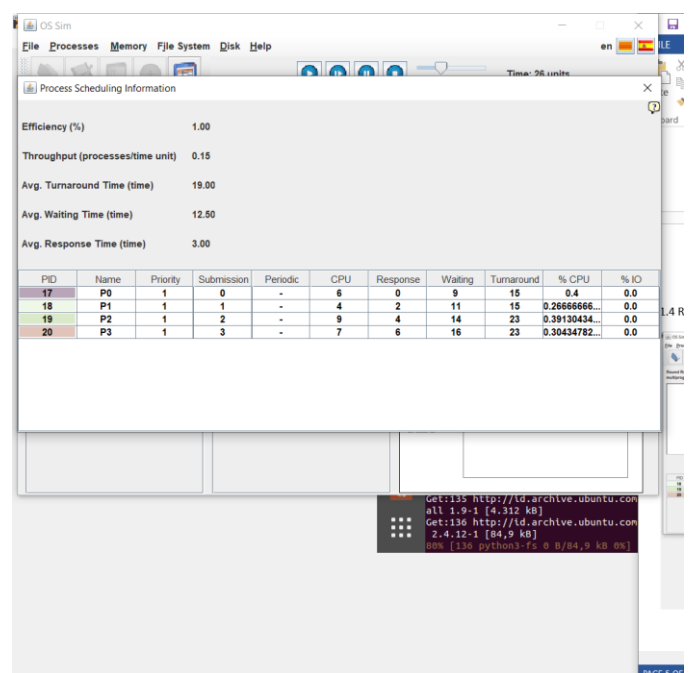
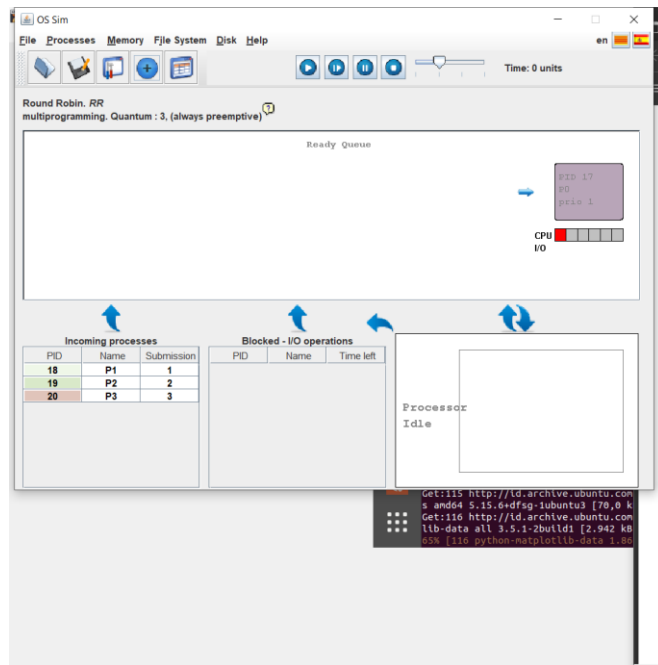
PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
13	P0	1	0	-	6	0	0	6	1.0	0.0
14	P1	3	1	-	4	5	5	9	0.44444444	0.0
15	P3	3	2	-	7	8	8	15	0.46666666	0.0
15	P2	1	2	-	9	15	15	24	0.375	0.0

Get:49 http://id.archive.ubuntu.com
at-efi-roms-all-1.0.0+git-20150424.a
Get:50 http://id.archive.ubuntu.com/
-x86-and64-1:0.2+dfsg-2ubuntu0.6 [10
100% [20] qemu-system-x86_0.120.10/10

Process	Wait Time
P0	0
P1	5
P2	8
P3	15
Av wait time	7.0

Kesimpulan : merupakan penjadwalan yang mendahulukan task yang memiliki prioritas tinggi.

1.4 Round Robin



Process	Wait Time
P0	9
P1	11
P2	14
P3	16
Av wait time	12.50

Kesimpulan : merupakan algoritma penjadwalan proses yang digunakan secara luas di dalam penjadwalan cpu.

