

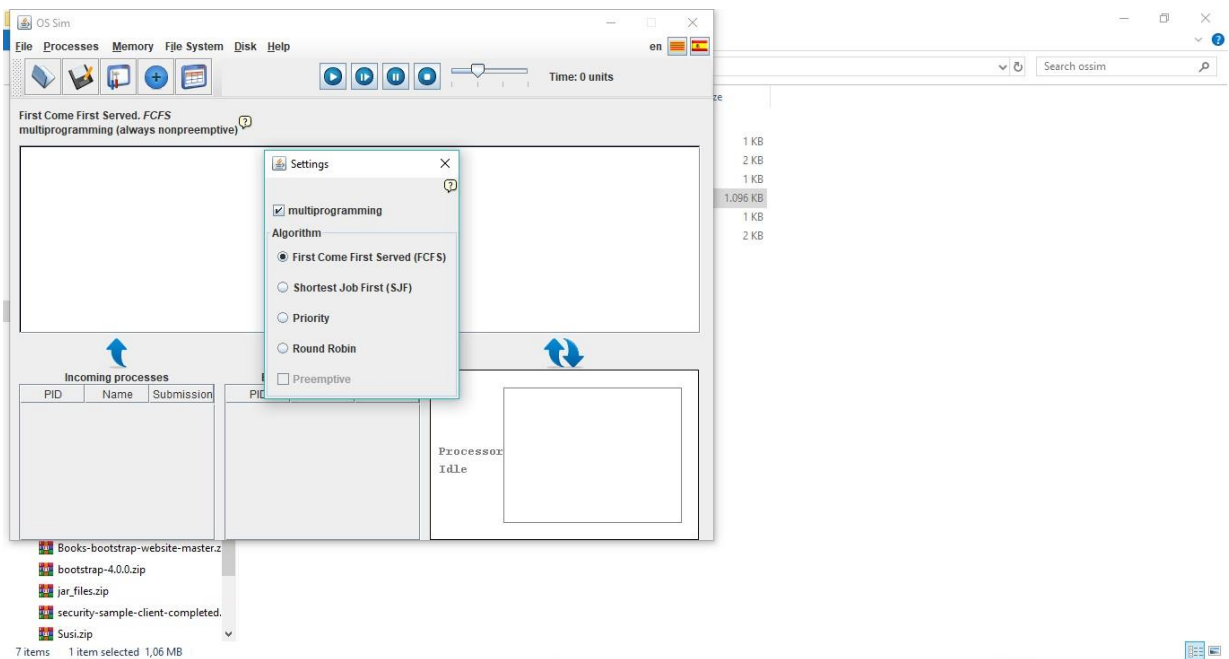
Nama : Diah Fitri Ramadhani

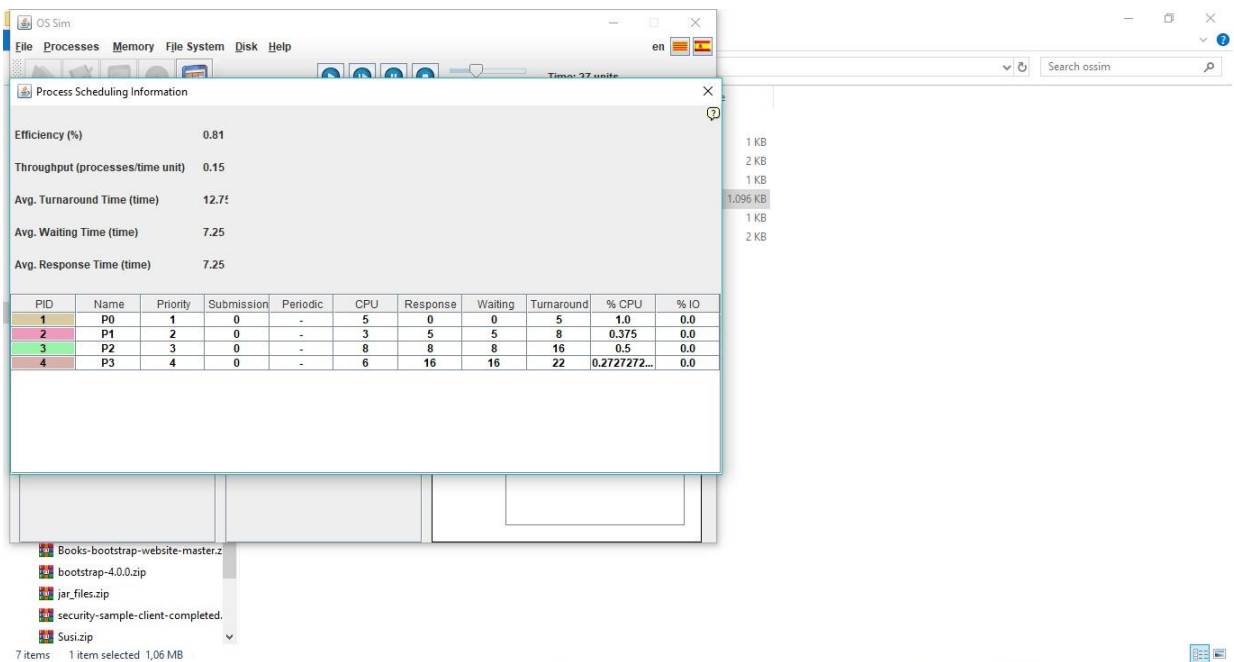
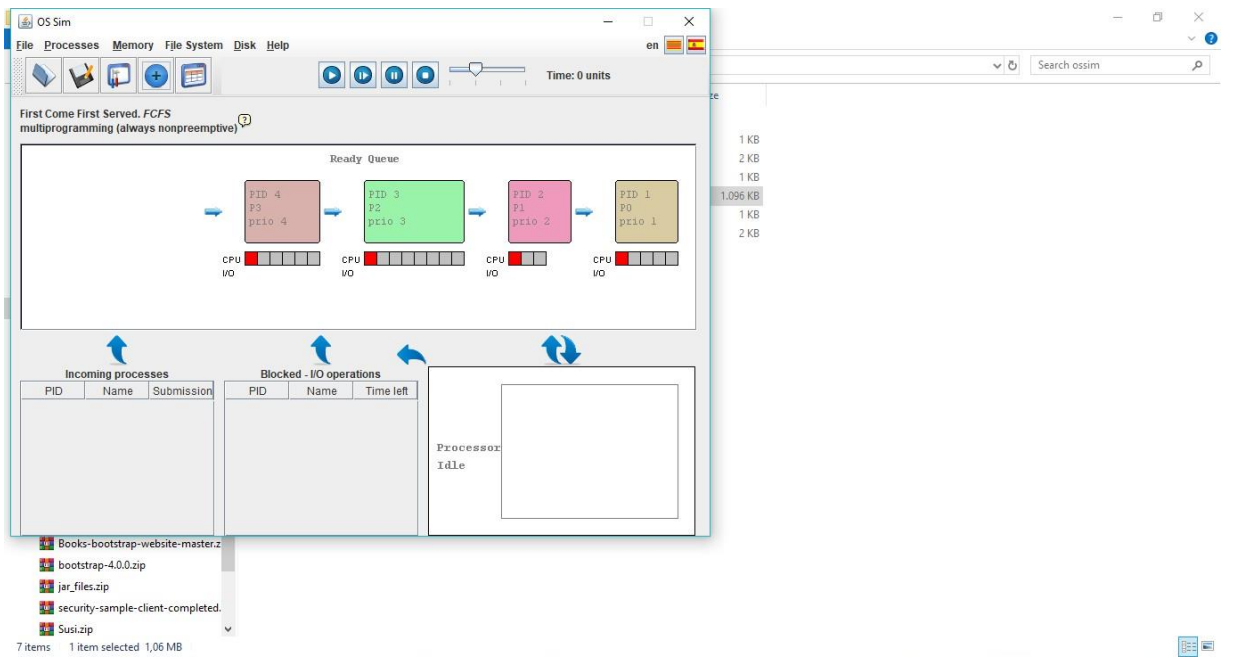
NIM : L200180106

Modul 11

1. FCFS

Process	Arrival time	Brust time	Service time
P0	0	5	0
P1	1	3	5
P2	2	8	8
P3	3	6	6





Process	Wait time : Service Time – Arrival Time
P0	0
P1	5
P2	8
P3	16
Av wait time	7.25

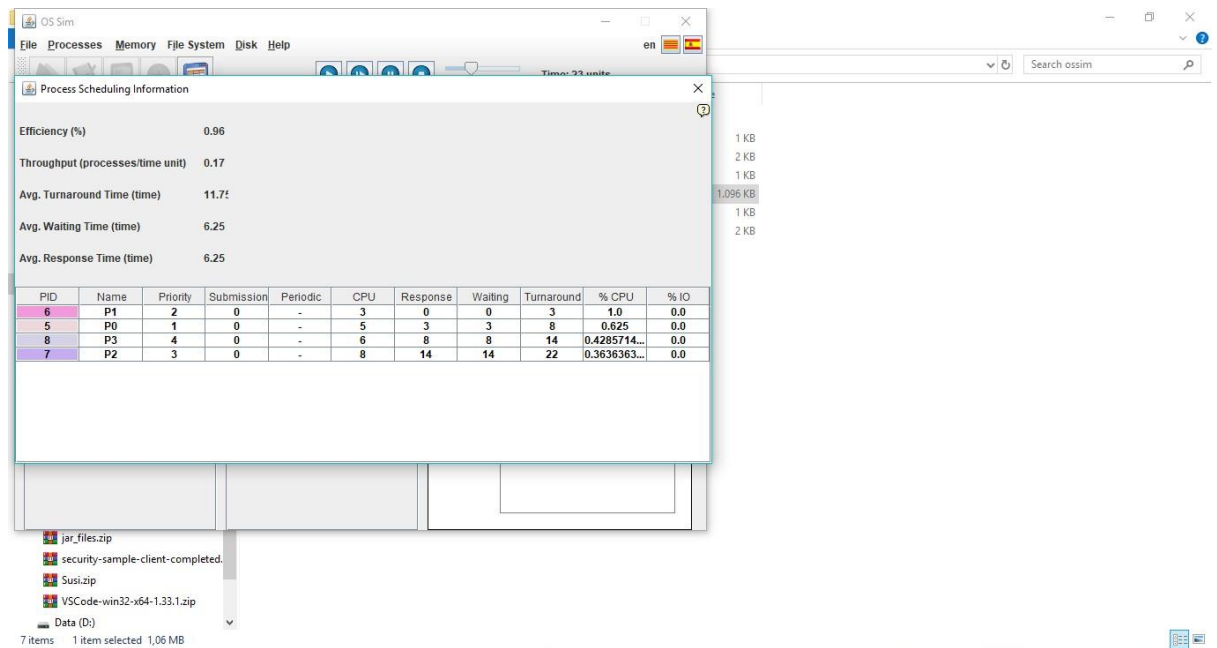
2. SJFS

Process	Arrival time	Brust time	Service time
P0	0	5	0
P1	1	3	5
P2	2	8	8
P3	3	6	6

a. Preemptive

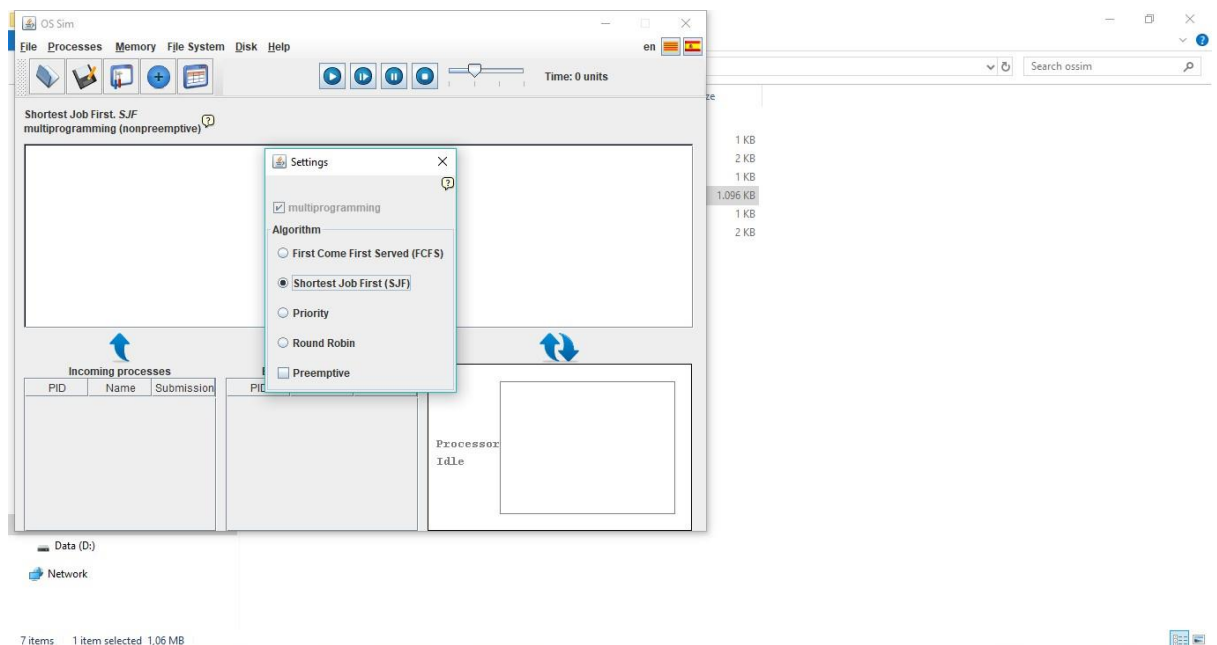
The first screenshot shows the OS Sim interface with the 'Settings' dialog box open. The 'Algorithm' section is set to 'Shortest Job First (SJF)' and 'Preemptive' is checked. The 'Incoming processes' table is empty, and the 'Processor' is 'Idle'.

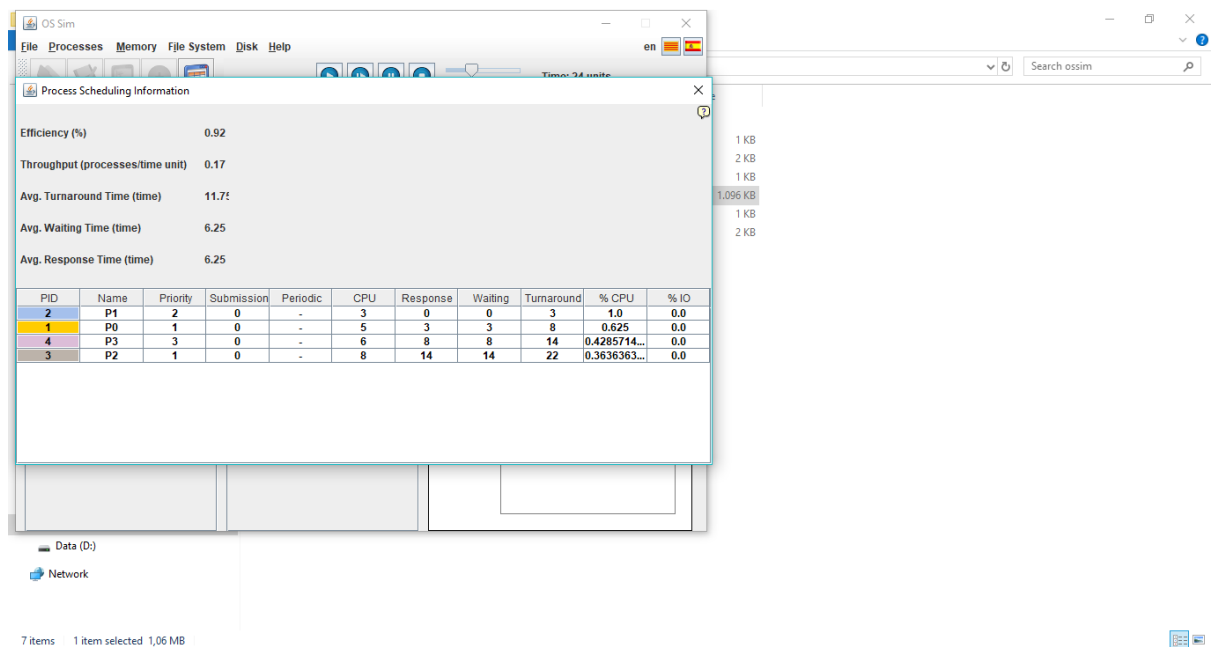
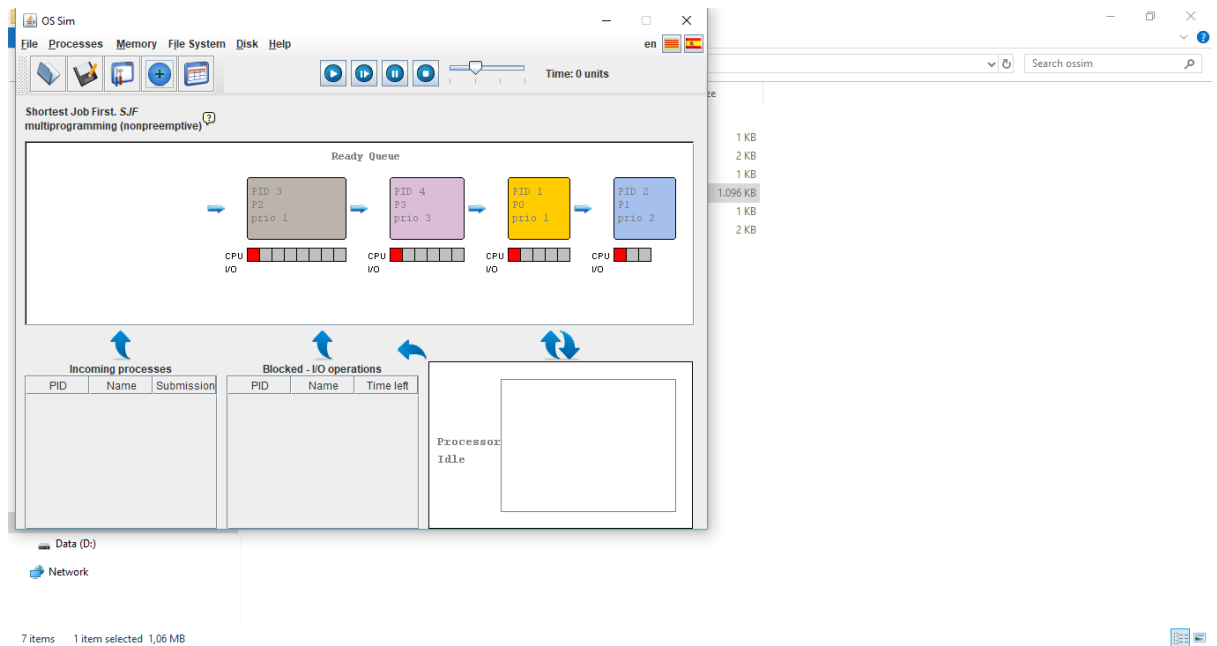
The second screenshot shows the OS Sim interface after the simulation has started. The 'Ready Queue' contains four processes: P2 (PID 7, prio 3), P3 (PID 8, prio 4), P0 (PID 5, prio 1), and P1 (PID 6, prio 2). The 'Incoming processes' table is empty, and the 'Blocked - I/O operations' table is empty. The 'Processor' is 'Idle'.



Process	Wait time : Service Time – Arrival Time
P0	3
P1	0
P2	14
P3	8
Av wait time	6.25

b. Non preemptive

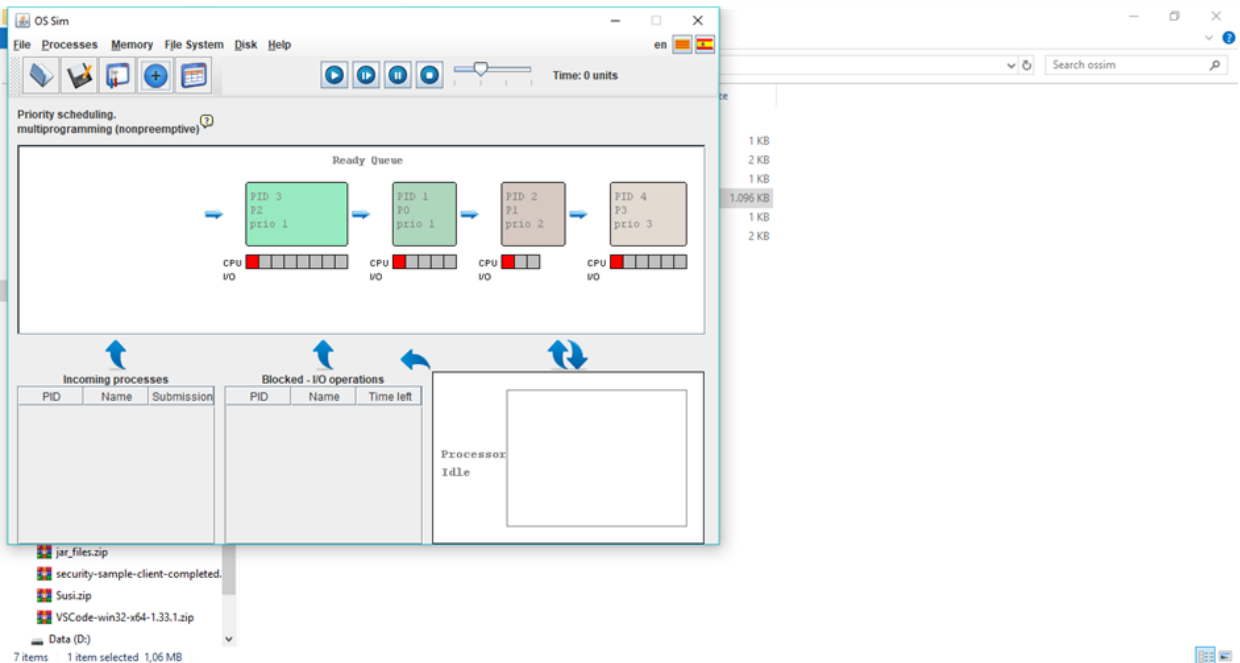
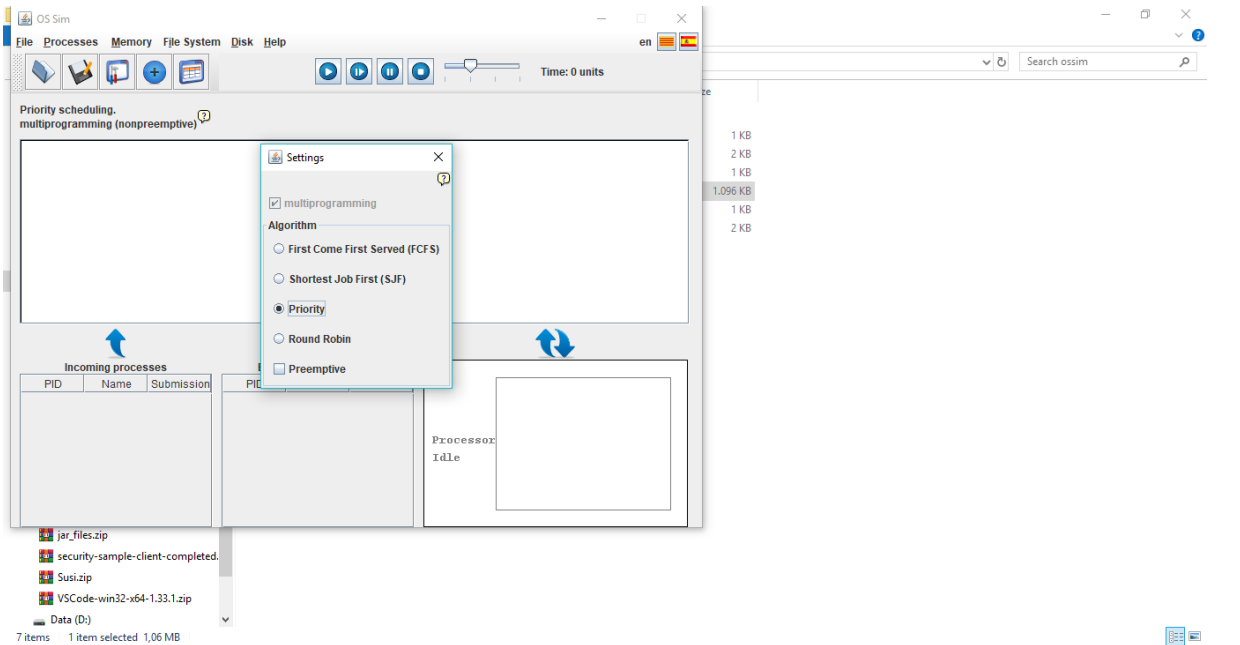


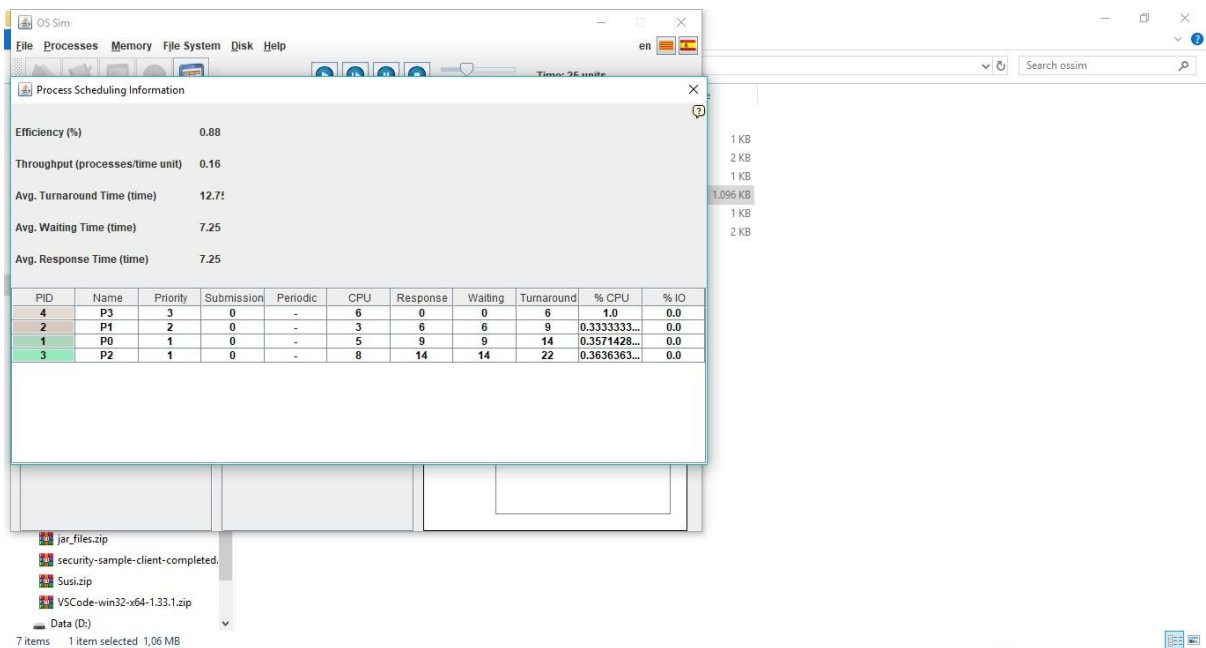


Process	Wait time : Service Time – Arrival Time
P0	3
P1	0
P2	14
P3	8
Av wait time	6.25

3. Priority Scheduling

Process	Arrival time	Brust time	Priority	Service time
P0	0	5	1	0
P1	1	3	2	11
P2	2	8	1	14
P3	3	6	3	5

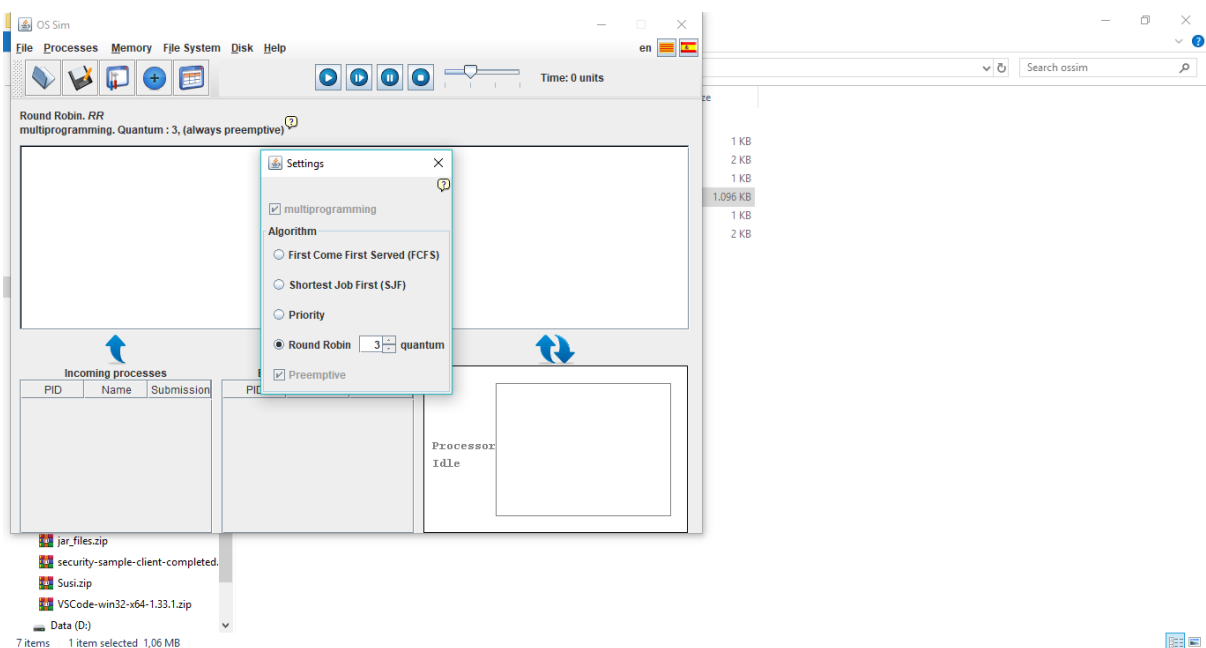


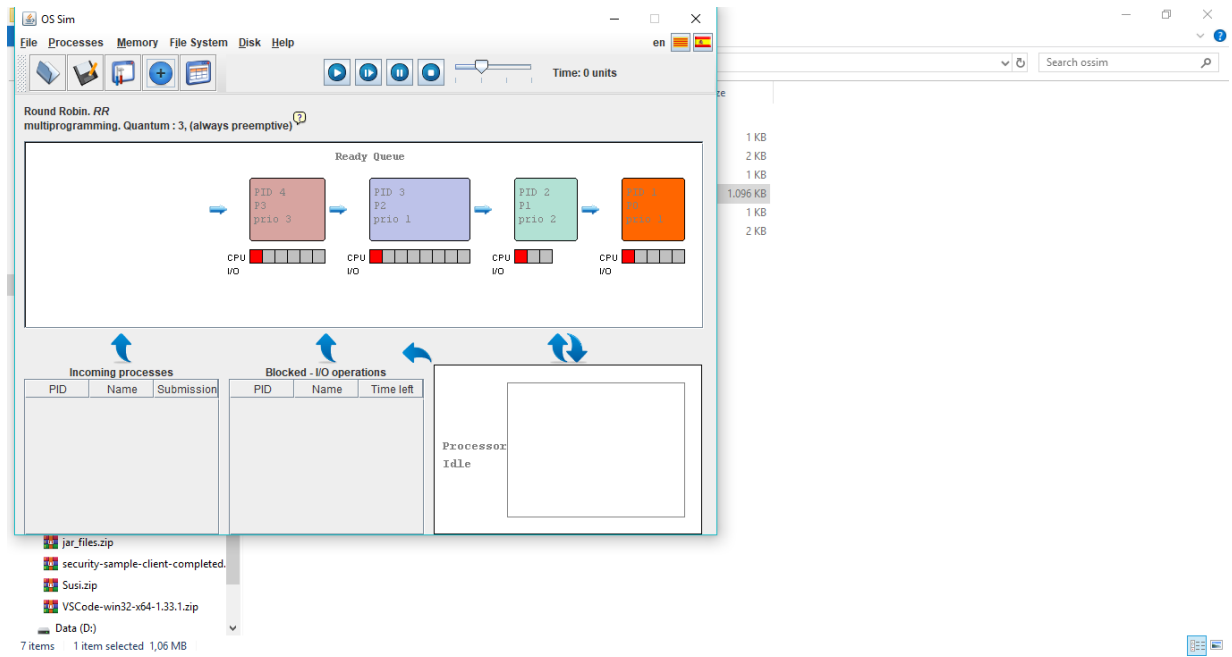


Process	Wait time : Service Time – Arrival Time
P0	9
P1	6
P2	14
P3	0
Av wait time	7.25

4. Round Robbin (Quantum = 3)

Process	Arrival time	Burst time	Priority	Service time
P0	0	5	1	0
P1	1	3	2	11
P2	2	8	1	14
P3	3	6	3	5





OS Sim

File Processes Memory File System Disk Help

Process Scheduling Information

Efficiency (%) 0.92

Throughput (processes/time unit) 0.17

Avg. Turnaround Time (time) 15.50

Avg. Waiting Time (time) 10.00

Avg. Response Time (time) 4.50

PID	Name	Priority	Submission	Periodic	CPU	Response	Waiting	Turnaround	% CPU	% IO
2	P1	2	0	-	3	3	3	6	0.5	0.0
1	P0	1	0	-	5	0	9	14	0.3571428...	0.0
4	P3	3	0	-	6	9	14	20	0.3	0.0
3	P2	1	0	-	8	6	14	22	0.3636363...	0.0

jar_files.zip
security-sample-client-completed.
Susi.zip
VSCode-win32-x64-1.33.1.zip
Data (D:)
7 items 1 item selected 1,06 MB

Process	Wait time : Service Time – Arrival Time
P0	9
P1	3
P2	14
P3	14
Av wait time	10.0