

Ain Shams University
Faculty of engineering
Computer & system engineering department

Documentation on:

Processes Scheduler Project

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Section: 2

How to use the program

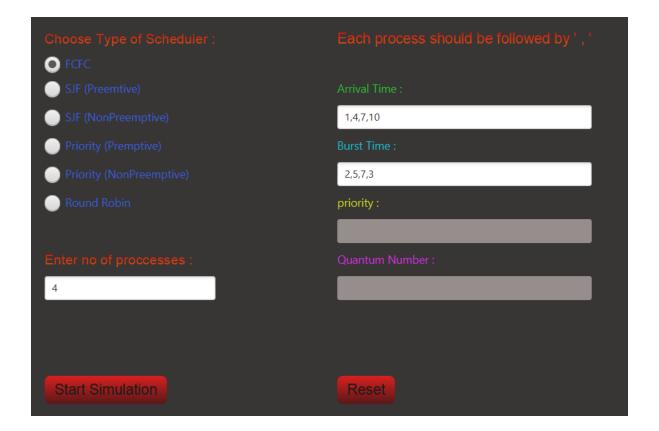
- 1- Choose they type of the scheduler
- 2- Enter the number of the processes
- 3- If Round Robin has been chosen you need to enter the quantum number

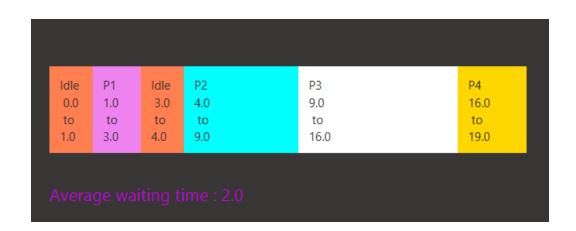
(for the next steps you need to add ', ' after each process data)
For example (0,3,7,20)

- 4- Write the Arrival time of each process
- 5- Write the Burst time for each process
- 6- If Priority scheduler has been chosen enter the priority of each process
- 7- Press "Start simulation" button to show the gantt chart and the average waiting time
- 8- You can fix any data you have entered or you can press "Rest" button to clear all data

Some test cases for the program

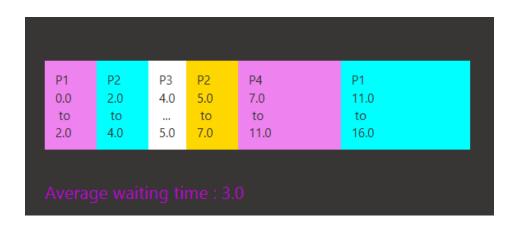
1- FCFS





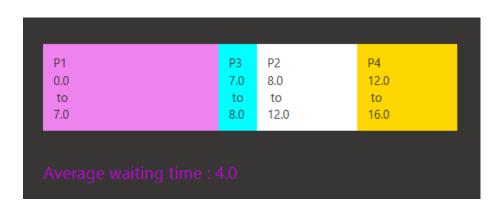
2- SJF (Preemptive) (Short Job Remaining)

Choose Type of Scheduler :	Each process should be followed by ', '				
FCFC					
SJF (Preemtive)	Arrival Time :				
SJF (NonPreemptive)	0,2,4,5				
Priority (Premptive)	Burst Time :				
Priority (NonPreemptive)	7,4,1,4				
Round Robin	priority:				
Enter no of processes :	Quantum Number :				
4					
Start Simulation	Reset				

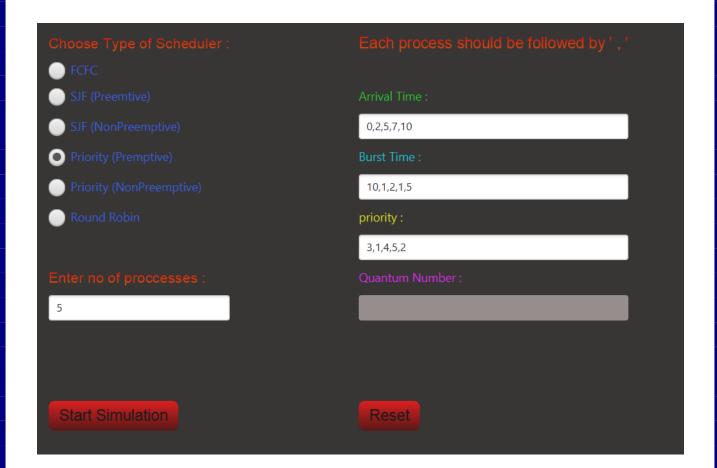


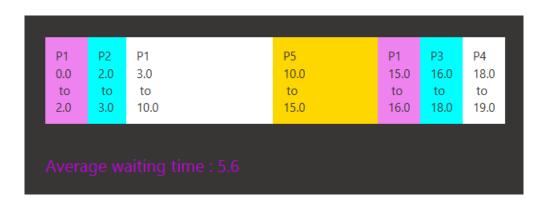
3- SJF (Non Preemptive)



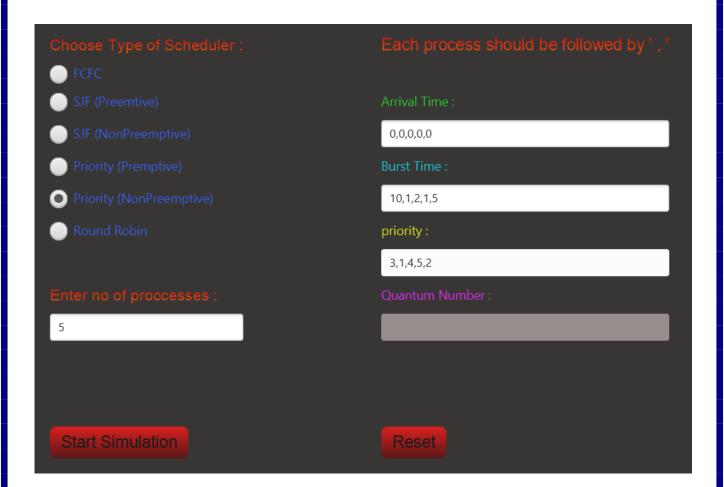


4- Priority (Preemptive)



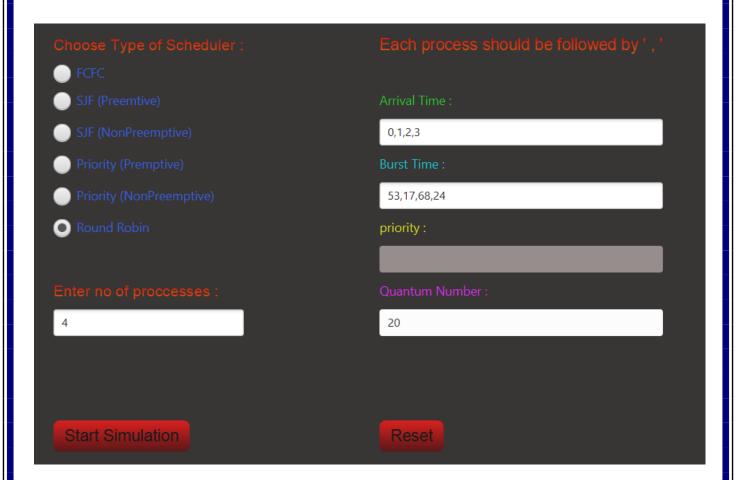


5- Priority (Non preemptive)





6- Round Robin



P1	P2	P3	P4	P1	P3	P4	P1	P3	P3
0.0	20.0	37.0	57.0	77.0	97.0	117.0	121.0	134.0	154.0
to	to	to	to	to	to	to	to	to	to
20.0	37.0	57.0	77.0	97.0	117.0	121.0	134.0	154.0	162.0
Average	e waiti	ing time	e : 71.5						