

**Ain Shams University**

**Faculty of Engineering**

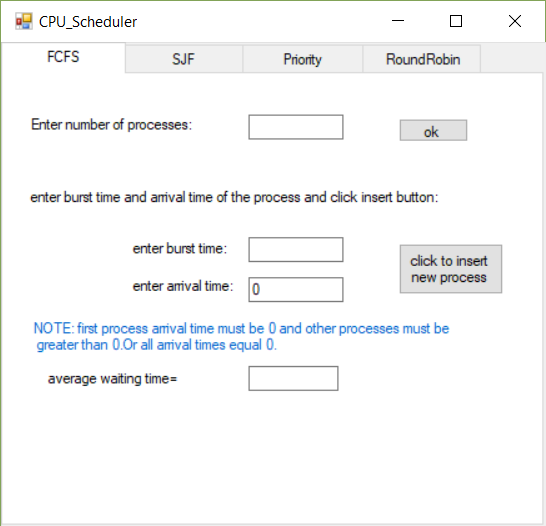
**Computer and Systems Department**

**Operating Systems**

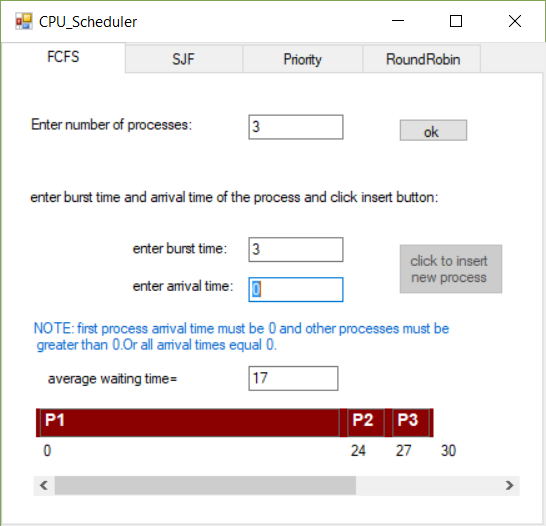
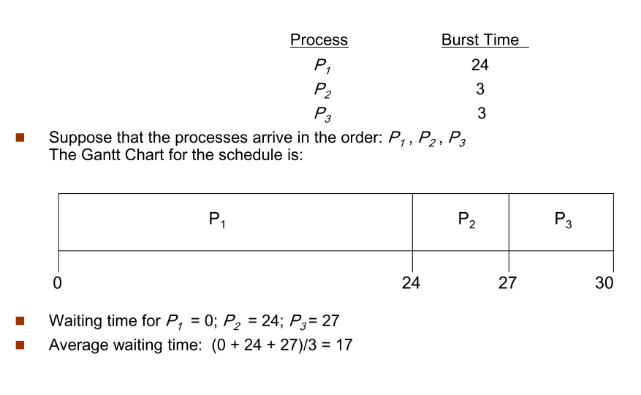
***The Scheduler Assignment Manual***

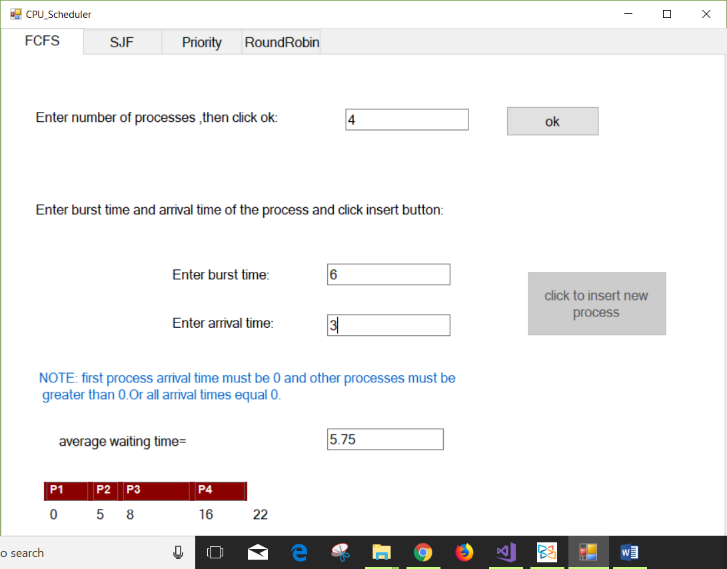
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| --- | --- | --- |
| **مؤمن أحمد مصطفي علي** | **جاسر سامى عبد الهادى** | **الاسم** |
| **2** | **1** | **الفصل** |

**FCFS Scheduling (First come First served)**

**Steps to use** 

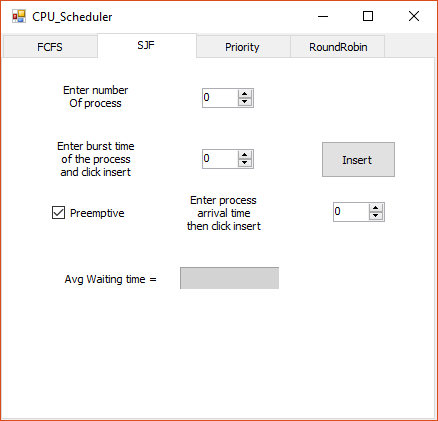
* Choose FCFS Tap
* Enter number of process
* Enter burst time and arrival time of each process and click insert after each one.
* The default value of arrival time is zero
* **Note: If you change number of process and quantum time , then click OK ,you can restart again the process.**



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|  |  |  |
| --- | --- | --- |
| **Process** | **Burst Time** | **Arrival Time** |
| **P1** | **5** | **0** |
| **P2** | **3** | **1** |
| **P3** | **8** | **2** |
| **P4** | **6** | **3** |

**SJF Scheduling (Shortest Job First) Preemptive and non-preemptive**

**Steps to use**

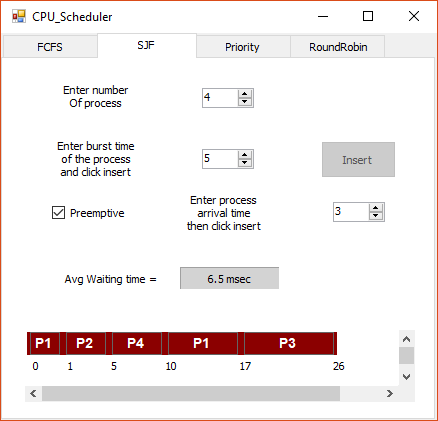
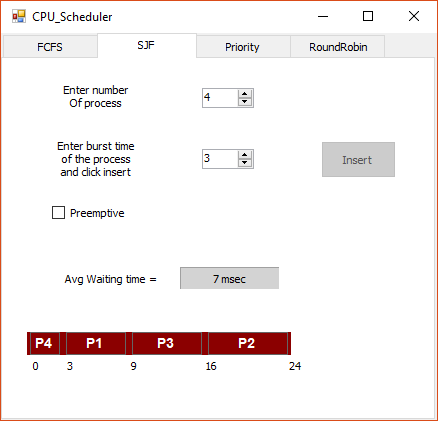
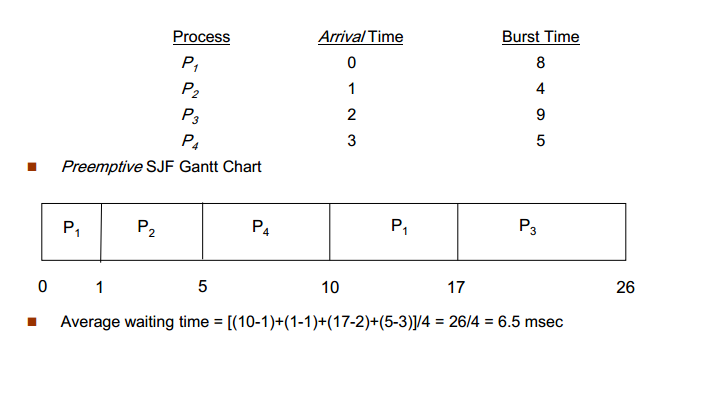
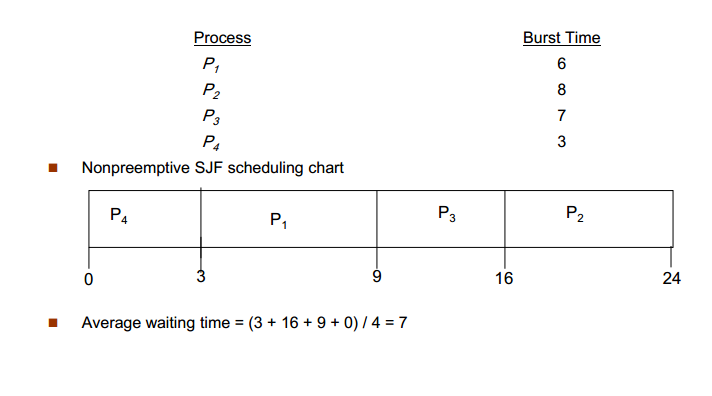
**Incase non-preemptive**

* Choose SJF Tap
* Enter number of process
* Enter burst time of each process and click insert after each one.

**Incase Preemptive**

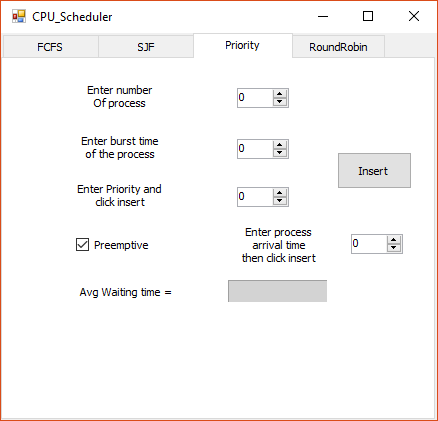
The same steps as non-preemptive but check the Preemptive check box then enter arrival time of   
each process then click insert after each one.

**Note: If you change number of process you can restart again the process.**



**Priority Scheduling - Preemptive and non-preemptive**

**Steps to use**



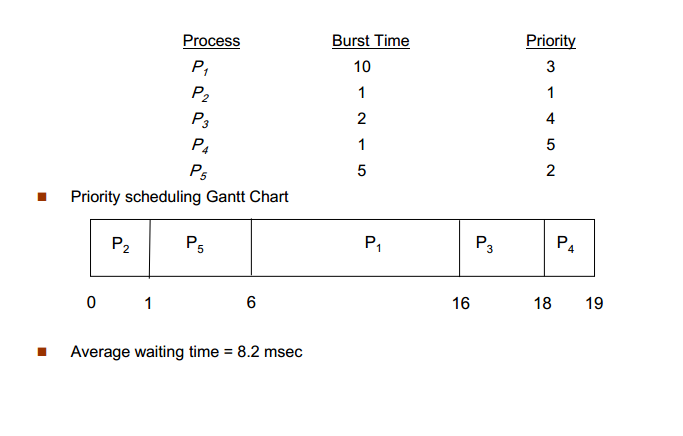
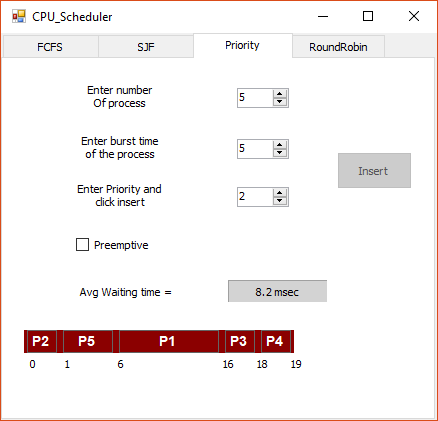
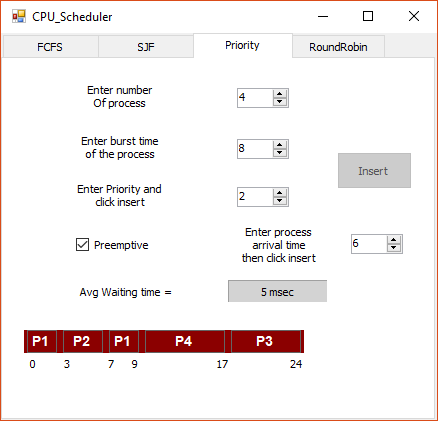
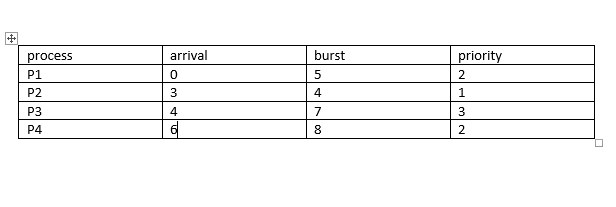
**Incase non-preemptive**

* Choose SJF Tap
* Enter number of process
* Enter burst time of each process
* Enter Priority of each process and click insert after each one.

**Incase Preemptive**

The same steps as non-preemptive but check the Preemptive check box then enter arrival time of   
each process then click insert after each one.

**Note: If you change number of process you can restart again the process.**



**RR Scheduling (Round Robin)**

**Steps to use**

* Choose RoundRobin Tap
* Enter number of process
* Enter Quantum time
* Enter burst time and arrival time of each process
* The default value of arrival time is zero
* **Note: If you change number of process and quantum time , then click OK ,you can restart again the process.**

