

* Scheduling criteria

- 1) CPU Utilization
Keeps the CPU as busy as possible.
- 2) Throughput
Number of processes that are completed per time unit.
- 3) Turnaround time (TAT)
~~Amount of time taken to execute a particular process.~~
$$\boxed{TAT = \text{Completion Time} - \text{Arrival Time}}$$
- 4) Waiting Time (WT)
Amount of time process has been waiting in the ready queue (ready state)
$$\boxed{\text{Waiting Time} = TAT - \text{Burst Time}}$$
- 5) Response Time (RT)

Amount of time taken when a request was submitted until the first response is produced.

$$\boxed{R.T. = \text{CPU Allocation Time (when CPU was allocated for the first)} - \text{Arrival Time}}$$

6) Burst Time

It is the total time that a process requires for its overall execution

7) Completion Time

The completion time is the time when the process stops executing, which means that the process has completed its burst time & is completely executed.