Shortest Job First (SJF)

What is SJF?

- Shortest-job-first is a non-preemptive discipline in which waiting job(or process) with the smallest estimated runtime-to-completion is run next. In other words, when CPU is available, it is assigned to the process that has smallest next CPU burst.
- The SJF scheduling especially appropriate for batch jobs for which the run times are known in advance.since the SJF schedyling alogrithm gives the minimum average time for a given set of processes, it is probably optimal.
- The SJF algorithm favours short jobs (or processors) at the expense of longer ones.
- Disadvantage:-Requires precise knowledge of how long a job or process will run, and this information is not usually available.