Fixed- and Dynamic-Priority Algorithms

- A priority-driven scheduler is an on-line scheduler
  - It does *not* pre-compute a schedule of tasks/jobs: instead assigns priorities to jobs when released, places them on a run queue in priority order
  - When pre-emption is allowed, a scheduling decision is made whenever a job is released or completed
  - At each scheduling decision time, the scheduler updates the run queues and executes the job at the head of the queue

- Jobs in a task may be assigned the same priority (*task level fixed-priority*) or different priorities (*task level dynamic-priority*)
- The priority of each job is usually fixed (*job level fixed-priority*); but some systems can vary the priority of a job after it has started (*job level dynamic-priority*)
  - Job level dynamic-priority usually very inefficient