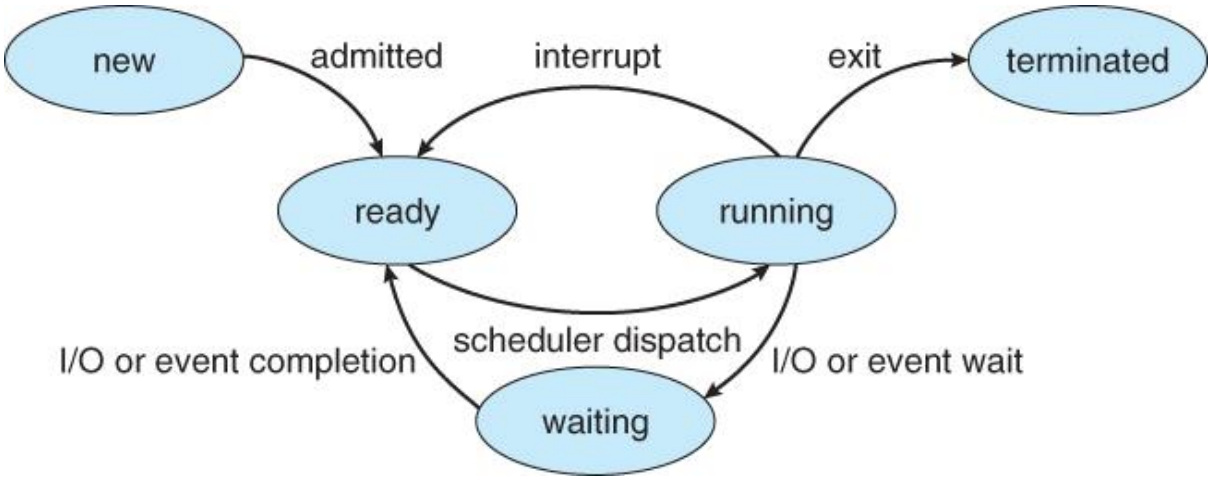
PROCESS STATE



As a process executes it changes states

New

When a process is created.

Ready

The process then got pushed to the ready queue (that's means it's now ready to execute or in ready state)

Running

Instructions of the process are being executed.

The scheduler selects the process from the queue and executes it through the CPU.

The process can also come to ready queue again

*Only one process at a time can be at running state

Waiting

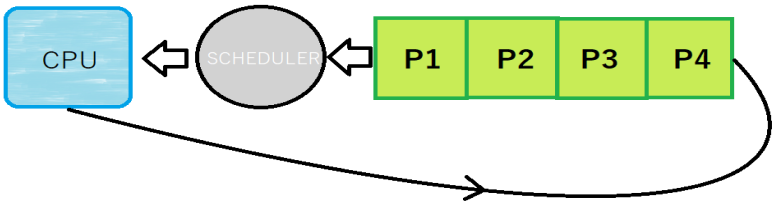
The process is waiting for some event to occur, like user should give an input.

Process in waiting state is not in the ready queue.

If the pending event got completed the process again comes to the ready queue

Terminated

The process has stopped executing


CPU
SCHEDULER
P1
P2
P3
P4