• Process States

1. Running (R) The process is currently actively being executed, each process will consume resources to execute the code & logic.

2. Sleeping (S) The process is waiting for an event or resource (I/O operation, resource allocation). During process execution the process will wait for the resources to be available.

3. Stopped (T) The process has been paused using the signals SIGSTOP, SIGTSTP. This paused process can be brought back to running state.

4. Zombie (Z) The process has finished the execution, but still has an entry in the process table, this state persists until the parent acknowledges the status, the child's exit status.

5. Terminated (X) The process has finished the execution, freed off all the resources, no longer exists on the process table.