PROCESS MANAGEMENT COMMANDS

A process is an executing prgm. A process is created whenever the user gives a comm. To computer and the process is given a unique number i.e. known as process ID or simply PID. In unix process communicate to each other and share the common resources like CPU, main memory & storage devices. The main process can

Communicate sub-processes, known as the parent process and the child process resp. Unix provides various process management tasks like as to get info about all the running processes. Following are the commands :-

1. Ps (process status)

Purpose :- it is used to list the running processes.

Syntax :- $ps[option]

options :-

a-displays all processes

e-displays every process running at the moment

u(username)-displays processes of the single mentioned user.

t(terminal name)-displays the processes running on the mentioned terminal.

l-displays running processes in long format with memory related information.

2. Kill

Purpose :- it sends a signal with the intention of killing one or more processes.

Syntax :-$kill process-id

e.g. :- $kill 4512, it will send a signal to kill process whose PID is 4512

3. Nice

Purpose :- it is used with '&' operator to reduce the priority of jobs. In other words, the higher the nice value ,lower is the processing priority.

E.g. :- $nice -15 pwd
here the 'pwd' command is assigned the nice value 15

4. Sleep

Purpose :- it is used to suspend the execution of shell script for the specified time. Usually the time is in seconds.

Syntax :- $sleep 10

this command will wait for 10 seconds before returning to the command prompt.

5. **Batch**

Purpose :- it is used to schedule the jobs for later execution. When we submit our jobs using this comm. , Unix executes our job when it is relatively free and system load is light. In this system will assign time.

E.g. :- $batch
sort employee.dat/grep nagpur
cntrl-d

6. **At**

it is capable of executing Unix comm. At a future time and date.

E.g. :- $at date

command name>directory name/file name

cntrl-d

it will display date and job-id