31/3/22

Ani.

Pulhat is process Management in himx and commands
The perocess means perogram in inecution.

It generally takes can input, process it and gives

us the appropriate output.

interactive process. These are the process which were to be executed or initiated by user or the programmer they can not be initialized by the system services. Such process take input from the user and return the output. While these processes are surroing we can not deseitly initiate a new process from the same terminal:

Background processes: Such kind of processes are also known as non interactive persueuse These are the perocesses that are to be executed or initiated by the system itself or by users, though they can even managed by cures. These perocesses have a unique PID or processes if assegied to them and we can initiate other processes within the same terminal from which they are initiated.

Process states

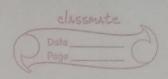
A perocess in linear go through different states after it's created and before it's torminated.

The states are:

> Running

· Sleeping

· Interruptible sleep · Uninterruptible sleep · Stopped · Tombie · A process in sunning state nears that it is sunning or it's ready to sun . The process is in sleeping slate when it is mailing for a resource to be anailable. · d process io got exomplible sliep mill wakeup to handle signals, whereas a prous in Unint cromplible sleep will as · A perocus enters a stoffed state when it rumes a stop signal. " Lombie state is when a process is dead but the entery for the perocus is still present in the table. Command for Manging Linix Processes \$ top: To track the evening processes on your machine you can use the top comme \$ PID: unique Process ID gives to each perocess. \$ P8 - Process status. It duplays the currently ourning processes. & kill - To stop a process in home Kill command is used.



I Top: This tell the user about all the surning processes on the biring machine.

as per your requirements. This periority is called nicerus in linex.

\$ OF the separate the file disk space (Hard Disk) on all the file systems.

If g : To run a stopped process in the

what is Parent process, child process, orphan perouss. Tombic proces, Deamon process.

i) Parent process- all the processes is os are created when a perous executes the fork 1) system call enpert the startup perocus. The process. In other would a parent process is one that Overtes a child process & parent process may have multiple child processes but a child process only one parent process.

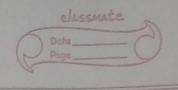
On the Success of a fork () Lys tem (all, the PID of the child perouss is secturized to the parient process and o is returned to child peroces. On the failure of a fork (s dy ten call, - 1 is returned to the parent process and a child process

is not vicated.

ii) Child process: A child process in a process or a fork () system call. A child process or a subsprise or a s

that has complifed its task but study it shows an entry in a perous table. The Lombic from use usually occurred in the whild perocess. Very shoul tem the ferous is a tombie of ter the process has completed all of its task it reports the parent perocus that it reports the parent perocus that it reports the parent perocus that it

remains surrouse even after its faunt forous is terminated or completed without unailing for the child process execution is take an orphan. I process becomes an orphan unintentionally some time extentionally busine orpans due to long surrouse time to complete the assigned task without user attention. The orphan process how controlly ferminals



Deamon process: Deamon processes are
Started working when the system will
be loots trapped and terminated only when
the system is shutdown. It does not have a
controlling ferminal. It always sum in the
learkyround.