21/12/22 Brocesses in Linun 00303 Processes are just programs that are running on our machine These processes are generally managed by kernel a each a every process have a ID (PID) to check processes running on your system suse command -> ps PID TIY Time CMD

Controling Command

terminal Cpu usage

- lume (ps aun - three flage a, u, x a -> all processes

u-> more details about process

n -> list down all process even which don't require terminal Have TTY associated

top -> command to see realtime process, keeps fluctuating

00303 Controlling Terminal O Pts/1 -> pregular terminal
O Pts/1 -> preudo terminal process also closes when terminal associated with it is closed Who manages these processes Init -> It is the process which is kernel when computer boots up & run until it shuldowns This ) It is also known as mother process hasaPID of 1 All process are created of by forking from it's children other processes are created by forking from parent process Init Shere first children of init processes daemon process responsible for keeping )
the system running these are foreks of mother per

Germinating a process enit system call - Ofreeing up all resources process was utilizing when a process terminates it tells kernel why most common status > 9
most common status > 9
process successful
Sovent has to acknowledge that their child died
> by wait system call Signale

St is a notification to the process that some common signals SIGNUP/NUP/1 -> Mangup SIGNT/INT/2 -> Interupt SIGKILL/KILL/9-> Kill SIGSEGN/SEGN/11-> Segmentation Fault -> Signal Mark is used to block signals but there are some which can't be blocked like KILL States of Process nterouptable Sleep Zombie brocess R-> Stopped no uninterruptable skep  $|\rangle$ 

to run a program! process in background python3 test. py (2) used to run a this creates a program in bagroun jole