Mawlana Bhashani Science And Technology University

Lab-Report

Lab Report No: 04

Lab Report Name: Process Handling in Linux .

Course code: ICT-3110

Course title: Operating System Lab

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Submitted by

Name: Anjom nour anika

ID:IT-18013.

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Dept. of ICT

MBSTU.

Submitted To

Nazrul Islam

Assistant Professor

Dept. of ICT

MBSTU.

Experiment Name : Process Handling in Linux

Aim and Objective :

To understand and handle processes in Linux . How process work in Linux , how to manipulate and process and see all the running process , to store them in a local file and thus have the basic understanding of the whole thing

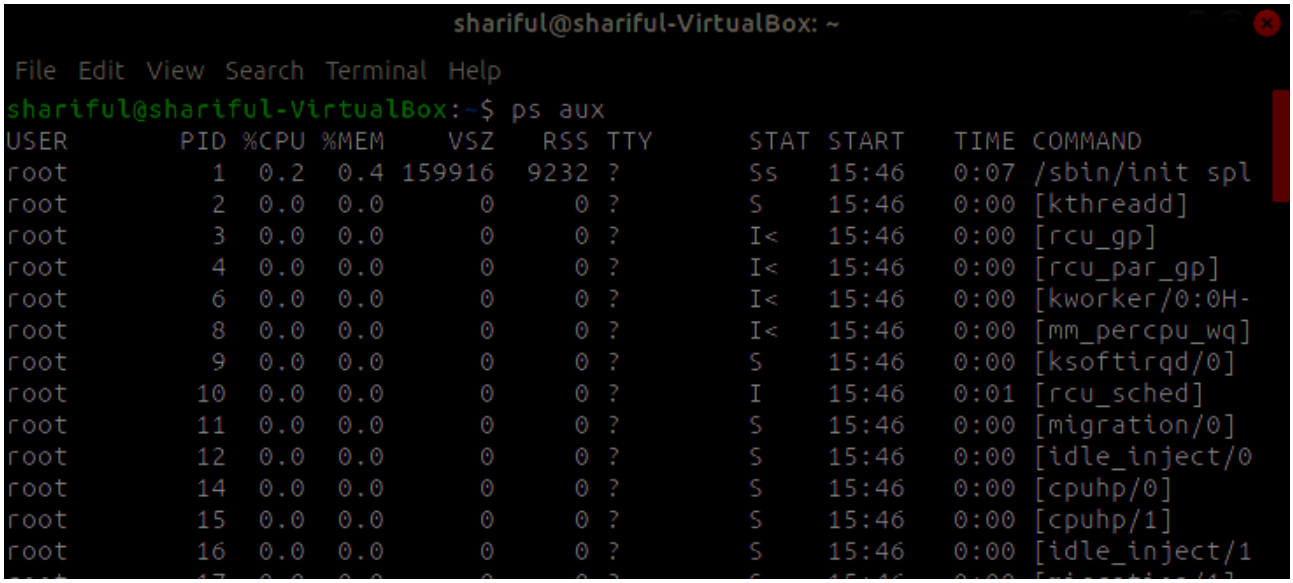
Commands :

ps aux :This command is used to see all the running process in Linux . Every process has a PID number or process id which uniquely identifies the process , the CPU and memory usages are also shown along with the start and running time.

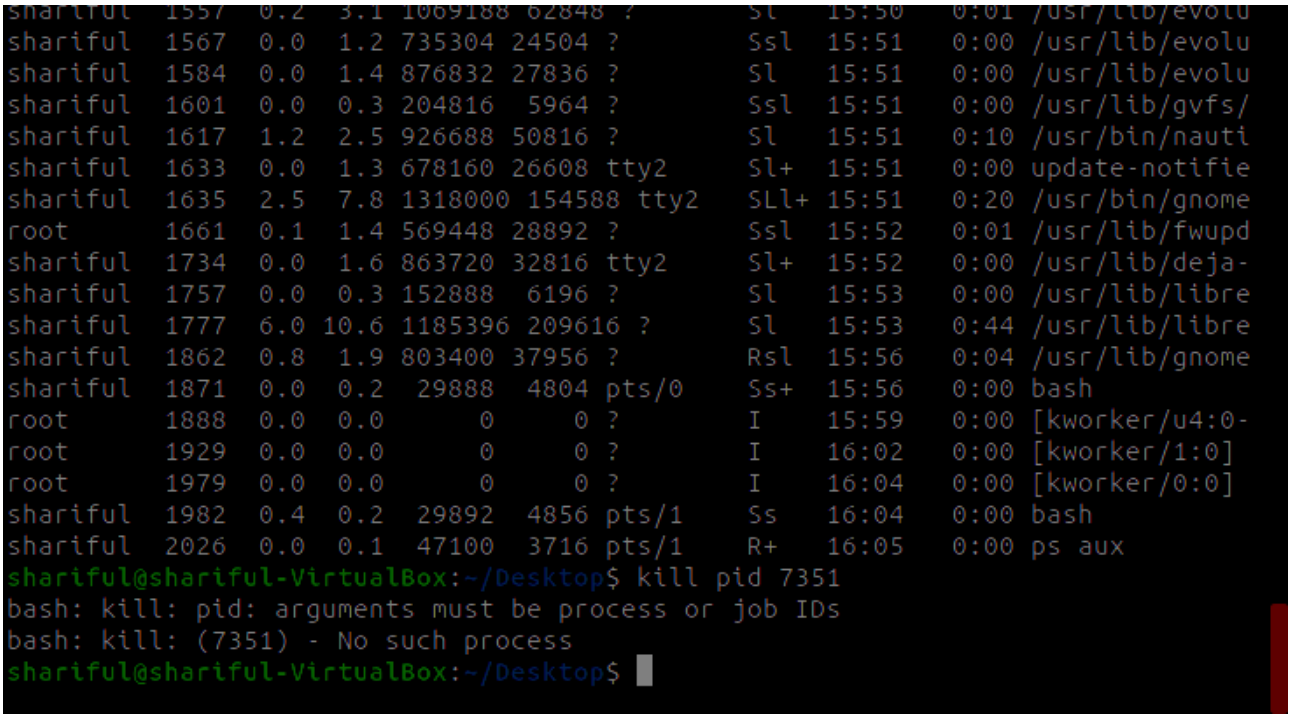
kill :This command is used to terminate running a process , hear the PID is put into use the syntax for killing a process is " kill PID "

xkill:This is a GUI version of kill it does not require a PID to terminate a process , a process is terminated in this process by putting the mouse cursor over the process the left button down

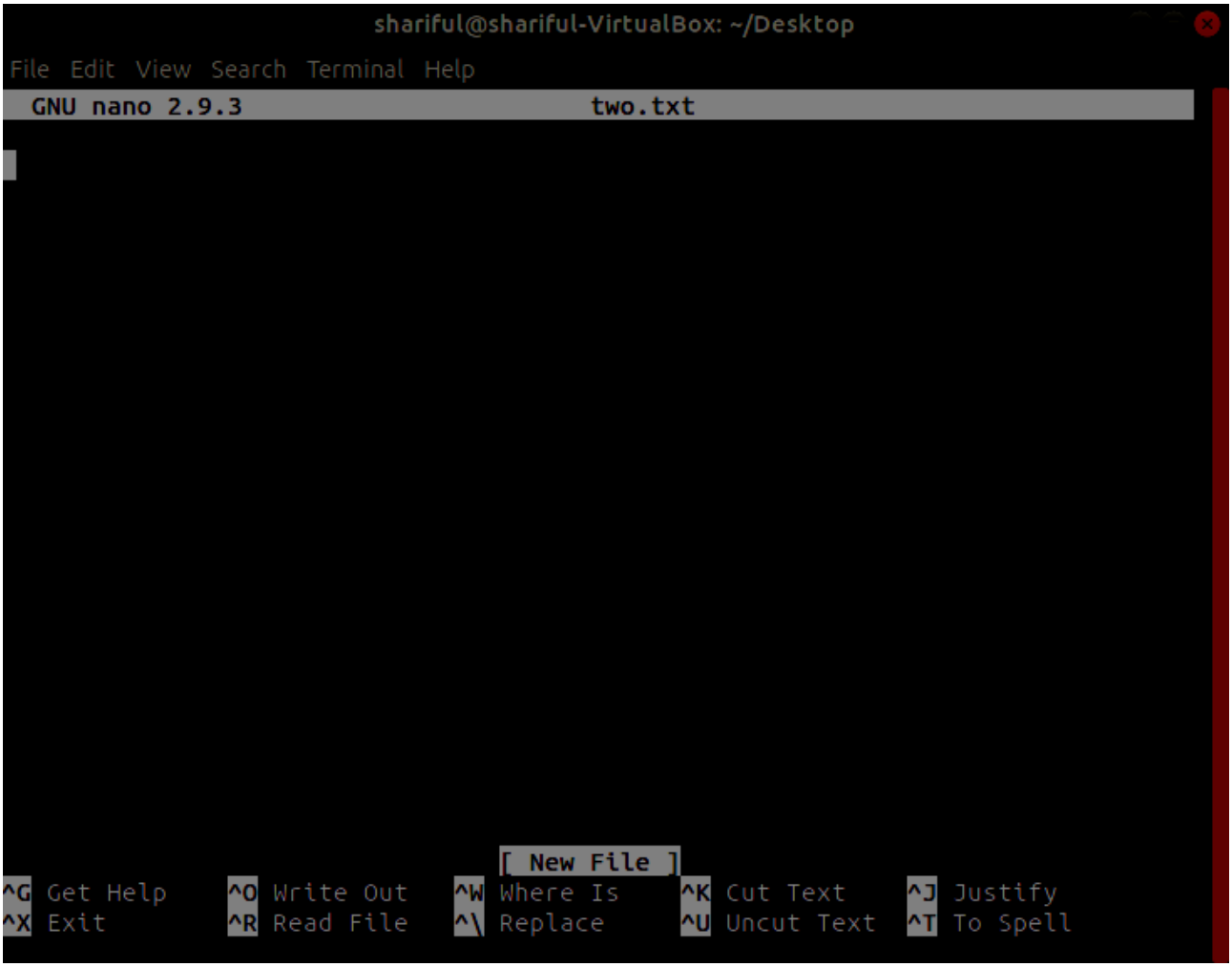
killall :This kill command does not require a PID but a process name has to be giver as it kills



by name , this command is used when a session is to be killed

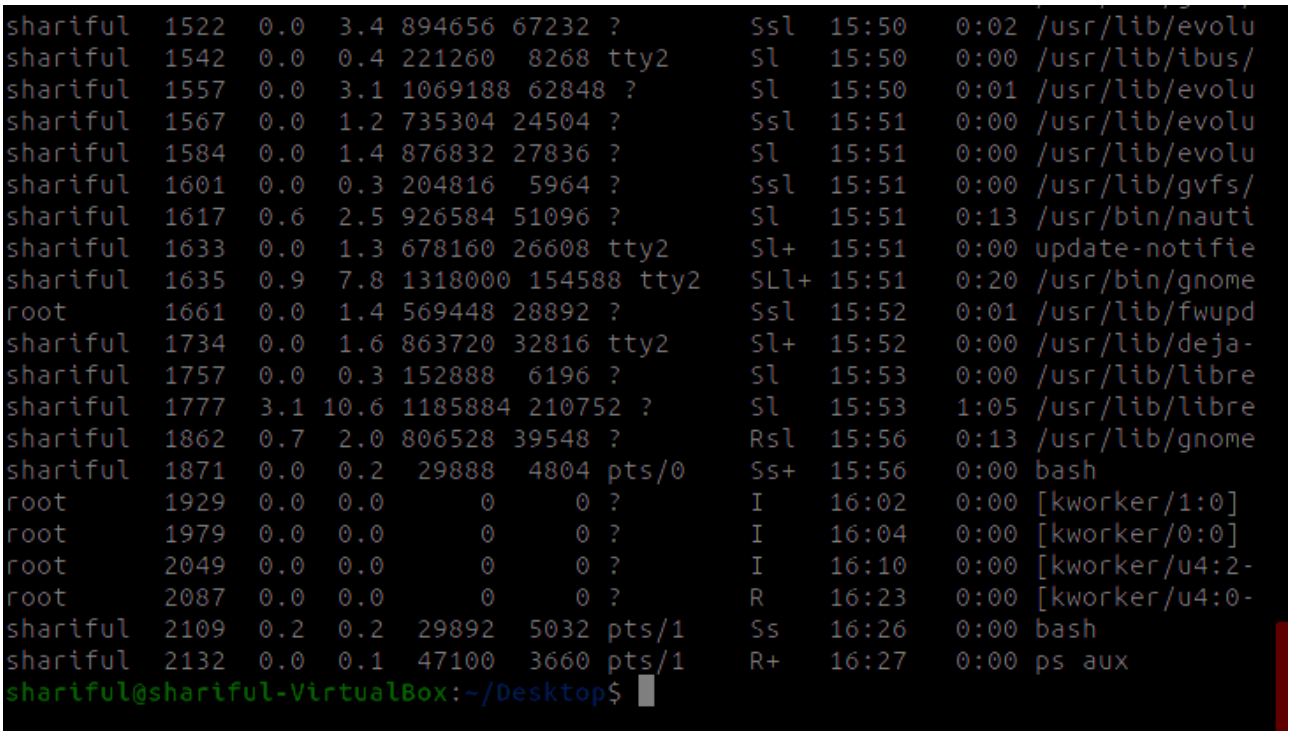


> and >> redirectors :
Redirectors are used when the result needs to be stored in a file . '>' is used when the previous data in the file is not to be kept ,nano was used hear to see what is in a file .



tee and pipes:

the tee command is used when it is both necessary to show the data in terminal and save the data to a file and the parameter needed to tee comes from pipes , it is represented by "|" this takes the result of a command and sends it to another , in this case it takes from ps aux and gives to tee



conclusion:

In the experiment we had a basic grasp of process in Linux operating system , how to kill them how to save there data in memory .We learnt several methos to kill a process in linux both in GUI and command line , by using name and PID .