

1. Use the ps cmd to list down all the processes ,pipe it to more or less for paging
 - a. ps -e
 - b. ps -ef
 - c. ps -f
 - d. ps -aux
 - e. ps -u username
 - i. ps -u root
 - ii. ps -u yourname
2. find the pid of bash
 - a. pidof bash
 - b. run ps -f (pidofbash)
 - c. pgrep bash / pgrep -l bash
3. run cat > processfile
 - a. input some text and suspend or stop the process using ctrl +z
 - b. get the pid of cat using pidof or pgrep cmd
 - c. list the process details using ps -f (pidofcat)
 - d. Now start the cat process using fg cmd
 - e. Check bg jobs if any using jobs cmd.
4. Use vi to create a little text file. Suspend vi in background.
5. Verify with jobs that vi is suspended in background.
6. Start sleep 100 process, suspend or terminate before it finishes
 - a. Get the details of sleep process using ps -f pidsleep
 - b. Start the sleep cmd in bg.
7. Start two long sleep processes in background.
8. Display all jobs in background
9. Use pstree cmd to lists all process of bash – pstree pidofbash
10. Customise the output columns of ps cmd using
 - a. ps -eo user,uid,pcpu,pmem,cmd
 - b. ps -eo user=username,uid=userid,pcpu=cPU,pmem=mem,cmd=command
 - c. ps axo user,uid,cmd,stat,pid,ppid
11. Put one of the sleep process in foreground
12. Kill one of the sleep process
 - a. Use job id to kill sleep process – kill %[jobid]
 - b. Use pid of sleep – kill pid
13. Kill the vi process using pkill cmd
14. Use killall to kill all sleep process
15. Use kill -9 to kill the bash process
16. Open 2 terminals and start 2 long sleep processes. (provide screen shots for grep cmd alone in both cases)
 - a. Put them in bg
 - b. Check the jobs in bg
 - c. In 1st terminal run -> ps -ef | grep sleep and observe
 - d. Now close the second terminal and run grep cmd again to check and understand.
 - e. Inorder to run a process without a terminal we use nohup (hangup cmd)
 - i. Start sleep process with nohup sleep 100 &
 - ii. In 1st terminal run -> ps -ef | grep sleep and observe
 - iii. Now close the second terminal and run grep cmd again to check and understand.
 - f. Observe a new file nohup.out is created cat and chk