## Spoken Tutorials - Linux Assignment Funded by the National Mission on Education through ICT Indian Institute of Technology Bombay, http://spoken-tutorial.org

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## Linux process

1. Open a terminal. Now spawn three shell processes one after another i.e. first spawn one shell, then from the spawned shell, spawn one new shell and so on. Now,

how can you see the PID of the current shell? How can you see the PID of the shell which is the grandparent of the current shell?

## #commands in terminal

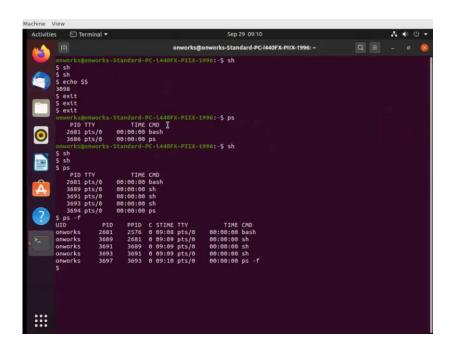
sh

ps

sh

sh sh

ps



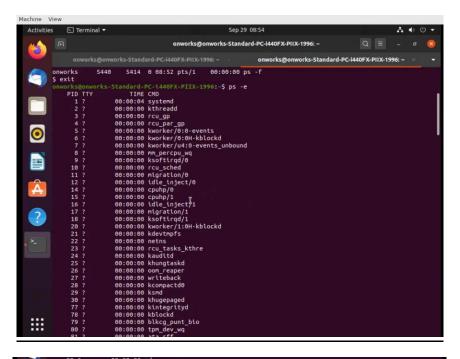
2. How can you see all the processes (both system & user processes) in your computer?

The output can be quite large. How can you view the output as multipage output?

How can you store the output in a file named process info?

## #commands in terminal

ps -e
ps -e | more > process\_info
cat process\_info



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82 2 00:00:00 md

onworks@onworks-Standard-PC-1440FX-PIIX-1996:-$ ps -e | more > process_info
onworks@onworks-Standard-PC-1440FX-PIIX-1996:-$ cat process_info

1 7 00:00:00 systemd
2 7 00:00:00 kthreadd
3 7 00:00:00 rcu_par_pp
4 7 00:00:00 rcu_par_pp
5 7 00:00:00 kworker/0:0-events
6 7 00:00:00 kworker/0:0-events
8 7 00:00:00 kworker/0:0-events
9 9 00:00:00 kworker/0:0-events
11 7 00:00:00 kgration/0
11 7 00:00:00 idle_inject/0
11 7 00:00:00 idle_inject/0
14 7 00:00:00 cpuhp/0
15 7 00:00:00 cpuhp/1
16 7 00:00:00 ksoftirqd/1
17 00:00:00 kworker/0:0-events
18 7 00:00:00 ksoftirqd/1
18 7 00:00:00 ksoftirqd/1
18 7 00:00:00 kworker/1:0H-kblockd
21 7 00:00:00 kworker/1:0H-kblockd
22 7 00:00:00 kworker/1:0H-kblockd
22 7 00:00:00 kworker/1:0H-kblockd
24 7 00:00:00 kworker/1:0H-kblockd
25 7 00:00:00 kworker/1:0H-kblockd
26 7 00:00:00 kworker/1:0H-kblockd
26 7 00:00:00 kworker/1:0H-kblockd
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25 7 00:00:00 kworker/1:0H-kblockd
26 7 00:00:00 kworker/1:0H-kblockd
27 7 00:00:00 kworker/1:0H-kblockd
28 7 00:00:00 kworker/1:0H-kblockd
29 7 00:00:00 kworker/1:0H-kblockd
20 7 00:00:00 kworker/1:0H-kblock
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