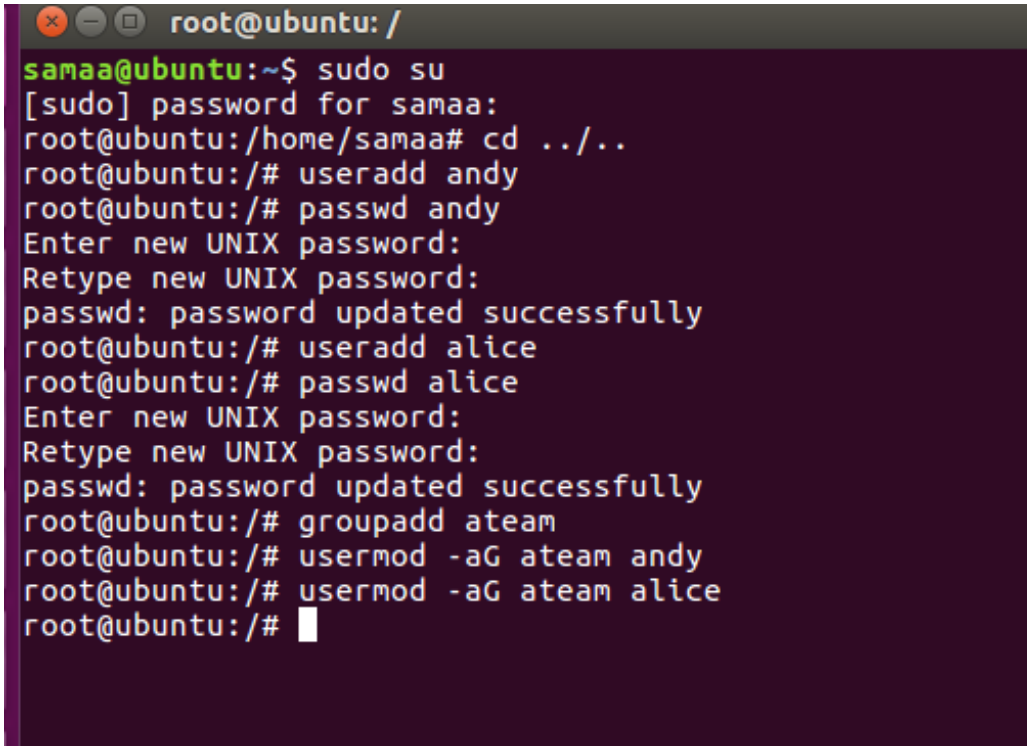
Lab 4

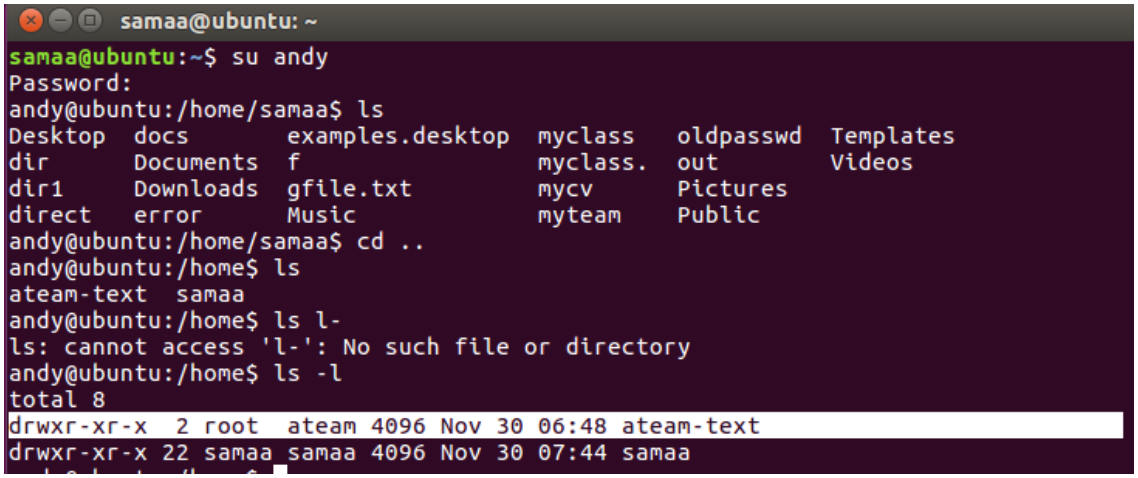
1. Create a shared group with name “ateam”, with two new users “andy” and “alice”, the password for these accounts is “iti1”.

2. Create a new directory “ateam-text” in /home.

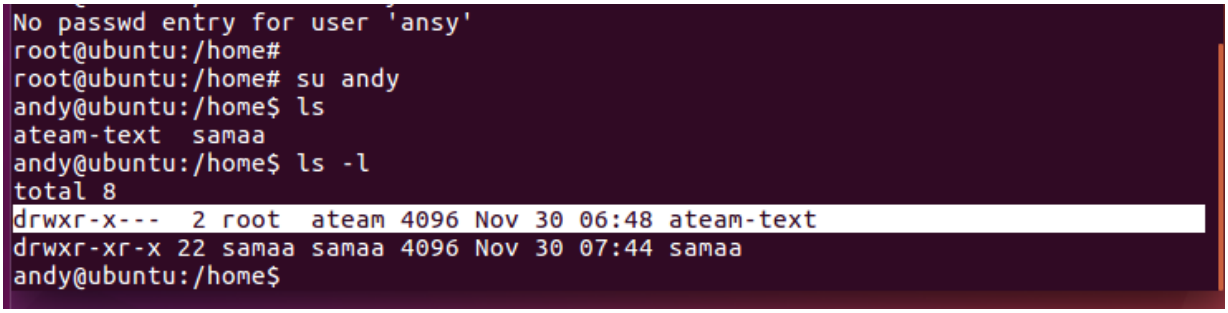
3. Change the group ownership of the “ateam-text” directory to “ateam” group.



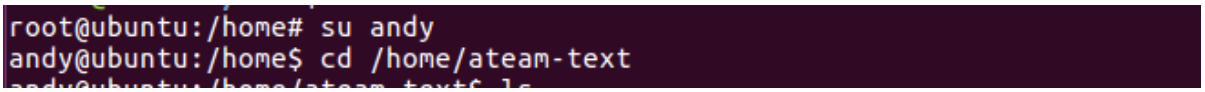
4. Ensure the permissions of “ateam -text” allows group members to create and delete files.



5. Ensure the permissions of “ateam -text” forbids others from accessing its files.



6. Switch to the user “andy”, and navigate to “/home/ateam-text” folder.



7. Create an empty file called “andyfile”, and then record the default user and group ownership of the new file and its permissions.

touch /home/ateam-text/andyfile

ls -l andyfile

8. Change the group ownership of the file to “ateam” and record the new ownership and permissions.

chown :ateam ateam-text

ls -l ateam-text

andy , andy , rwx rw- ---

9. Switch to “alice”, and then navigate to “/home/ateam-text”.

su alice

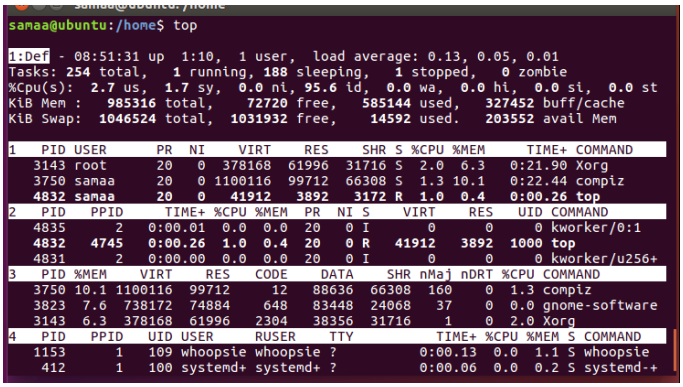
cd /home/ateam-txt

10. Determine Alice's privileges to access and /or modify andyfile.

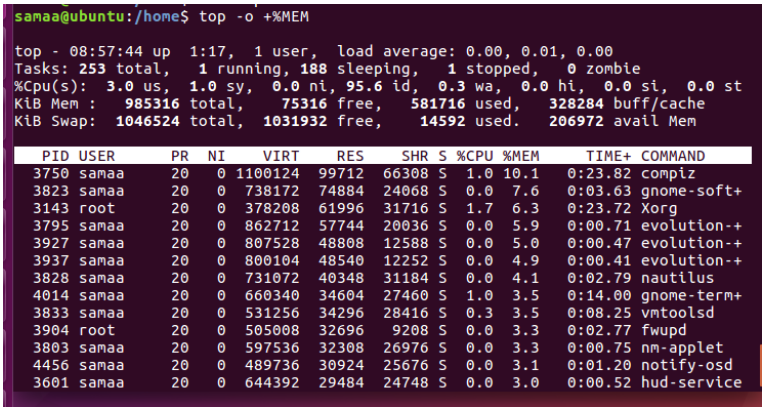
r & w permission

11. Switch to your user again and then, in a terminal window, run the top utility. Size the window to be a s tall as possible.

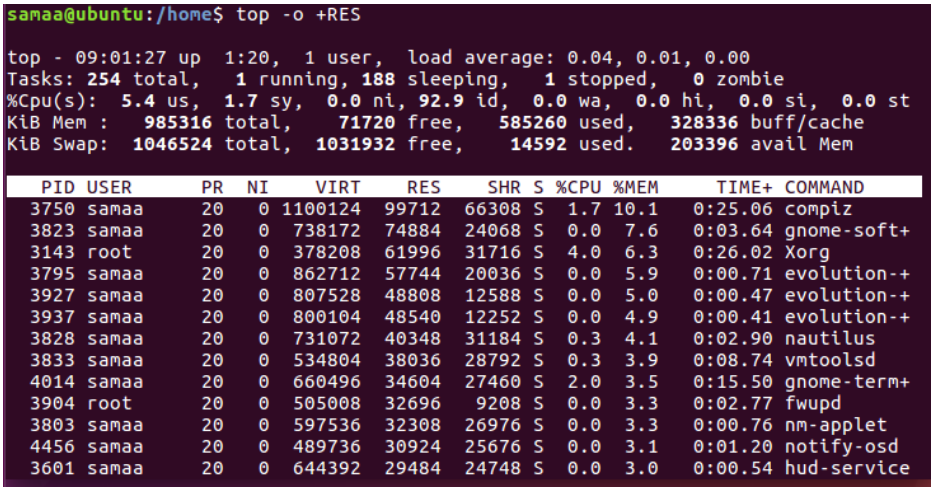
su samaa



12. Change the display to sort by the amount of memory in use by each process.



13. What are the processes with the largest memory allocations?



14. Change the display interval "refresh" time of the process to be 4sec instead of 3 by two different methods.

top -d 4

top + prees s

15. Save this configuration for reuse when top is restarted, Exit the top display.

W

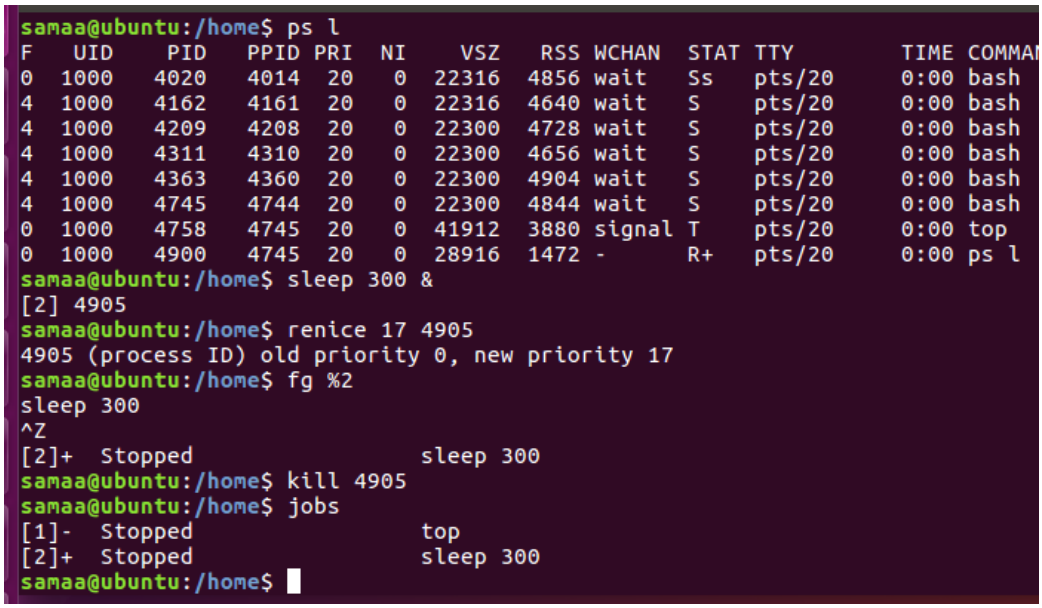
q

16. Open terminal window, start one process that lets the system waits for 300 secs and send it to the background.

17. State the current priority of the last process and give it a lower priority.

18. Bring the process back to foreground.

19. Kill the running process in the background, make sure it is stopped by a command and state the used command.



20. Create a scheduled job to state the free disk space of the / directory in a human readable format then saves the output in a file named Fileystem-Ready.txt, the job is scheduled to run every Sunday and Tuesday at 2:00 pm.

crontab 0 14 * * 0,2 df -h / >/home/samaa/Fileystem-Ready.txt