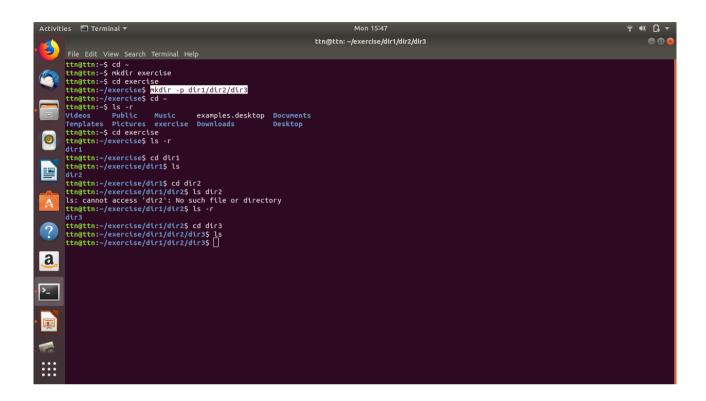
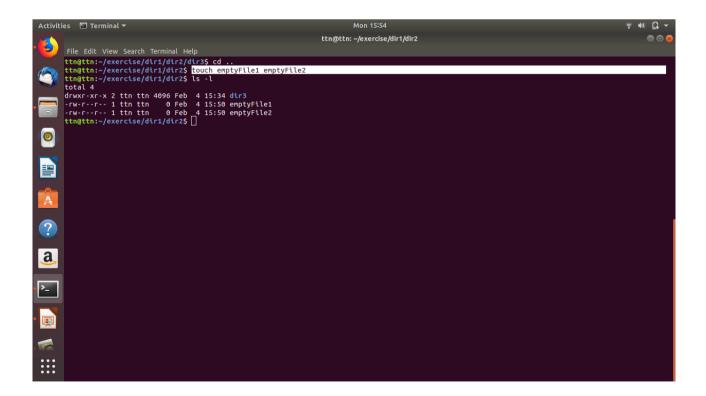
## Linux Assignment

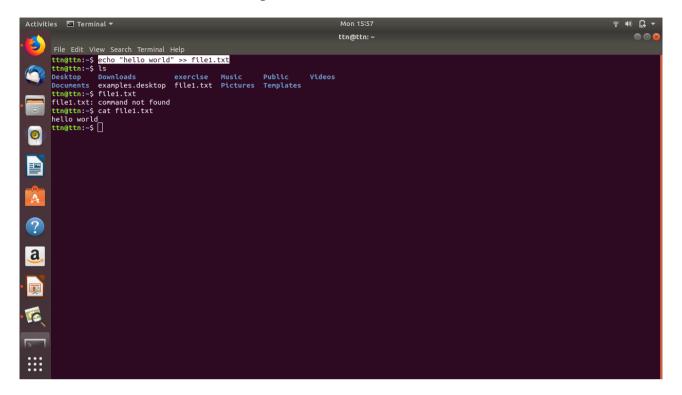
Q1. Create a directory "exercise" inside your home directory and create nested(dir1/dir2/dir3) directory structure inside "excerise" with single command.



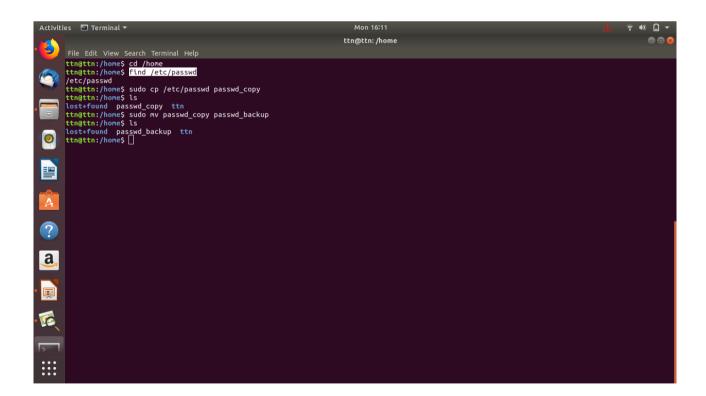
Q2. Create two empty files inside dir2 directory: emptyFile1,emptyFile2 in single command



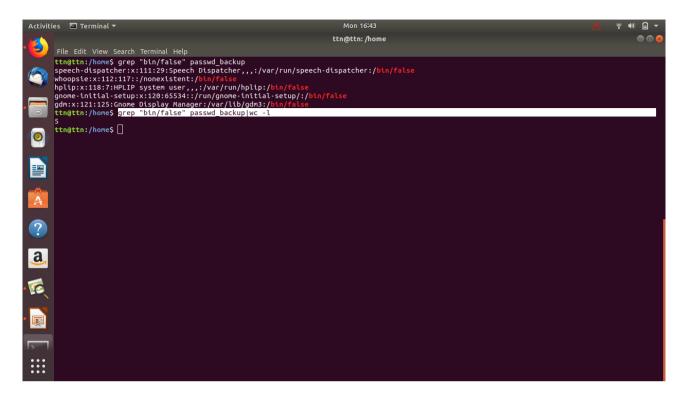
Q3. Create one file file1.txt containing text "hello world" and save it.



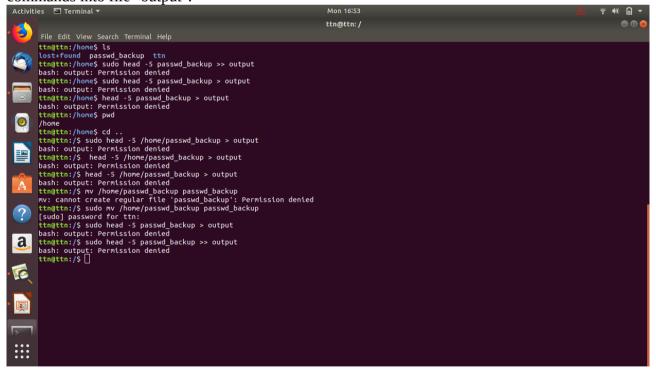
Q4. Find a "passwd" file using find command inside /etc. copy this files as passwd\_copy and then rename this file as passwd\_backup.



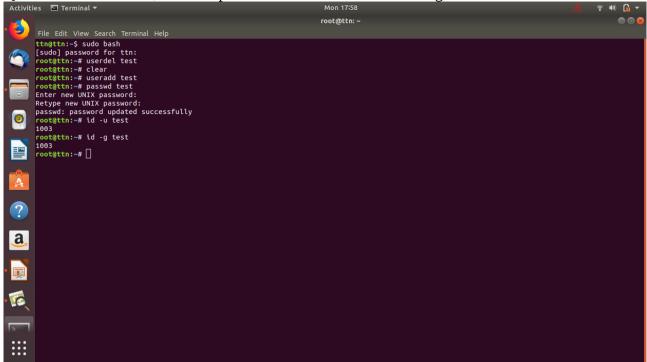
Q6. Find out the number of line in password\_backup containing "/bin/false



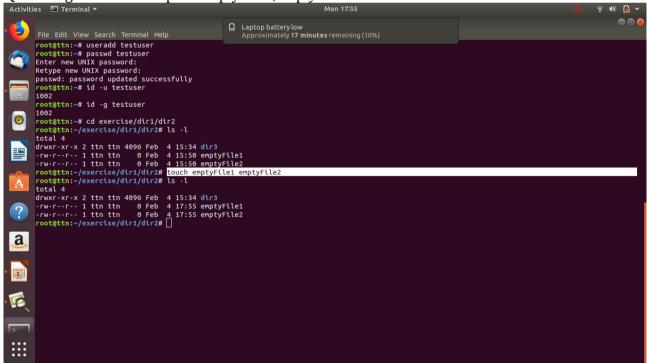
Q7. Get the first 5 lines of a file "password\_backup" and Redirect the output of the above commands into file "output".



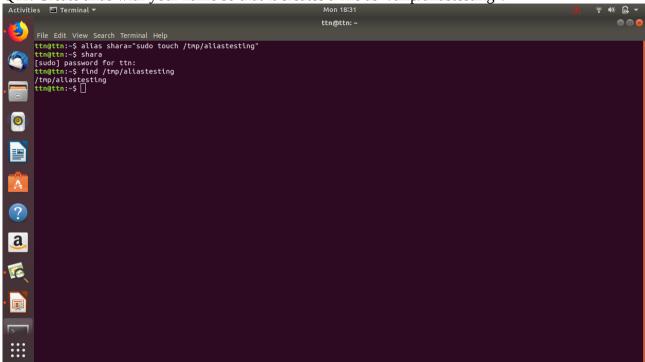
Q8. Create a "test" user, create its password and find out its uid and gid.



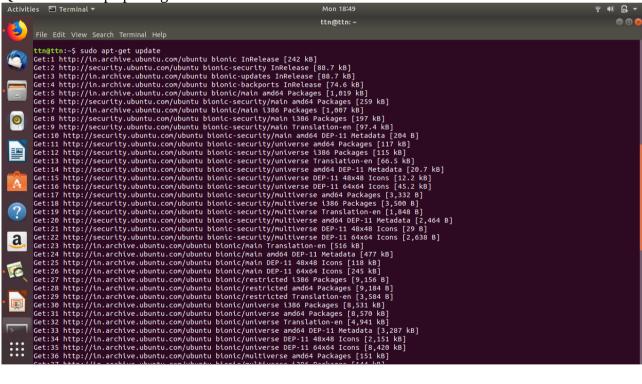
Q9. Change the timestamp of emptyFile1,emptyFile2 which are exist in dir2



Q11. Create alias with your name so that it creates a file as "/tmp/aliastesting".



Q13. Install "zip" package.



```
File Edit View Search Terminal Help

Cett-46 http://in.archive.ubuntu.com/ubuntu bionic-updates/msin DEP-11 48x48 Icons [66.7 kB]

Cett-47 http://in.archive.ubuntu.com/ubuntu bionic-updates/msin DEP-11 48x48 Icons [123 kB]

Cett-46 http://in.archive.ubuntu.com/ubuntu bionic-updates/msin DEP-11 48x48 Icons [123 kB]

Cett-46 http://in.archive.ubuntu.com/ubuntu bionic-updates/retricted 1388 pBresses [6,728 B]

Cett-56 http://in.archive.ubuntu.com/ubuntu bionic-updates/retricted 1388 pBresses [6,728 B]

Cett-56 http://in.archive.ubuntu.com/ubuntu bionic-updates/miverse 1386 Packages [7,16 kB]

Cett-55 http://in.archive.ubuntu.com/ubuntu bionic-updates/miverse 1386 Packages [7,16 kB]

Cett-55 http://in.archive.ubuntu.com/ubuntu bionic-updates/miverse anded Packages [7,16 kB]

Cett-55 http://in.archive.ubuntu.com/ubuntu bionic-updates/miverse anded DP-11 Netadata [7,20 kB]

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Cett-55 http://in.archive.ubuntu.com/ubuntu bionic-updates/miverse DP-11 dax46 Icons [187 kB]

Cett-55 http://in.archive.ubuntu.com/ubuntu bionic-updates/miltiverse DP-11 Netadata [7,20 kB]

Cett-55 http://in.archive.ubuntu.com/ubuntu bionic-updates/miltiverse anded Packages [6,388 B]

Cett-55 http://in.archive.ubuntu.com/ubuntu bionic-updates/miltiverse anded Packages [6,388 B]

Cett-56 http://in.archive.ubuntu.com/ubuntu bionic-updates/miltiverse anded Packages [6,388 B]

Cett-66 http://in.archive.ubuntu.com/ubuntu bionic-updates/miltiverse DP-11 dax86 Icons [2,688 B]

Cett-66 http://in.archive.ubuntu.com/ubuntu bionic-backports/miltiverse anded Packages [3,472 B]

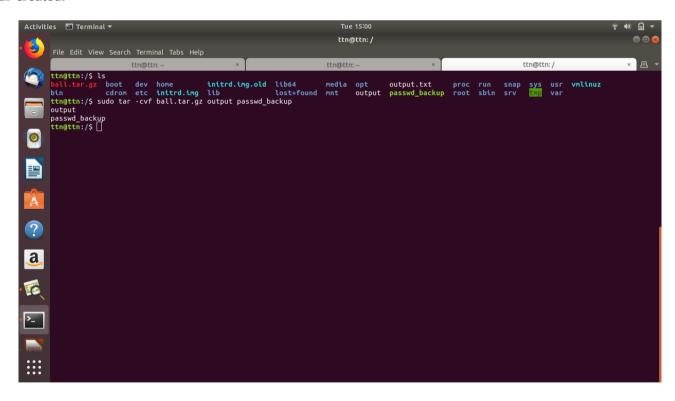
Cett-66 http://in.archive.ubuntu.com/ubuntu bionic-backports/miltiverse DP-11 dax86 Icons [2,88 B]

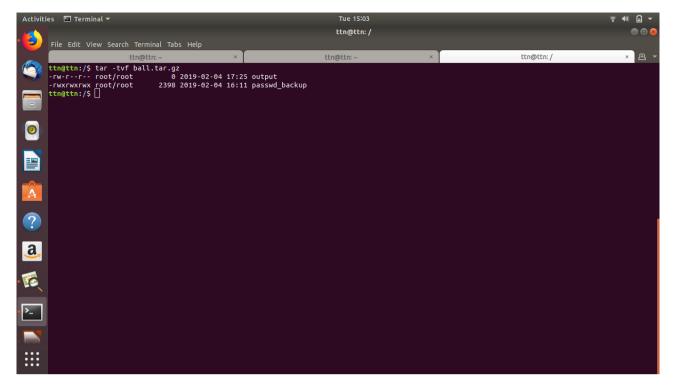
Cett-66 http://in.archive.ubuntu.com/ubuntu bionic-backports/miltiverse DP-11 dax86 Icons [2,88 B]

Cett-66 http://in.archive.ubuntu.com/ubuntu bionic-backports/miltiverse DP-11 dax86 Icons [2,88 B]

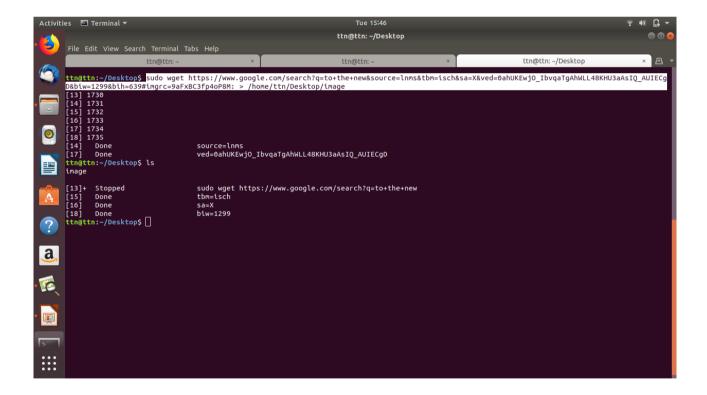
Cett-66 http://in.archive.ubuntu.com/ubuntu bionic-backports/miltiverse DP-11 dax86 Icons
```

Q14. Compress "output" and "password\_backup" files into a tar ball. List the files present inside the tar created.





Q17. Download any image from web and move to desktop



## Q18. How to get help of commands usages.

```
ttn@ttn:~S ls --help
Usage: ls [OPTION]... [FILE]...
List information about the FILEs (the current directory by default).
Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.
Mandatory arguments to long options are mandatory for short options too.
  -a. --all
                             do not ignore entries starting with .
 -A, --almost-all
                             do not list implied . and ..
     --author
                             with -l, print the author of each file
 -b, --escape
                             print C-style escapes for nongraphic characters
      --block-size=SIZE
                             scale sizes by SIZE before printing them; e.g.,
                               '--block-size=M' prints sizes in units of
                               1,048,576 bytes; see SIZE format below
                             do not list implied entries ending with ~
 -B, --ignore-backups
                             with -lt: sort by, and show, ctime (time of last
 - 0
                               modification of file status information);
                               with -l: show ctime and sort by name;
                               otherwise: sort by ctime, newest first
                             list entries by columns
  - C
                             colorize the output; WHEN can be 'always' (defau
      --color[=WHEN]
                               if omitted), 'auto', or 'never'; more info bel
                             list directories themselves, not their contents
  -d, --directory
                             generate output designed for Emacs' dired mode
  -D, --dired
```

```
ttn@ttn:~$ apropos ls
aconnect (1)
                    - ALSA sequencer connection manager
                     - add shells to the list of valid login shells
add-shell (8)
alsa-info.sh (1)
                    - command-line utility to gather information about the A...
alsabat (1)
                    - command-line sound tester for ALSA sound card driver
alsactl (1)
                     - advanced controls for ALSA soundcard driver
alsactl_init (7)
                    - alsa control management - initialization
alsaloop (1)
                    - command-line PCM loopback
                    - soundcard mixer for ALSA soundcard driver, with ncurse...
alsamixer (1)
amidi (1)
                    - read from and write to ALSA RawMIDI ports
amixer (1)
                   - command-line mixer for ALSA soundcard driver
aplay (1)
                   - command-line sound recorder and player for ALSA soundc...
                   - command-line sound recorder and player for ALSA soundc...
arecord (1)
                   - show the events received at an ALSA sequencer port
aseqdump (1)
aseqnet (1)
                    - ALSA sequencer connectors over network
                    - call block device ioctls from the command line
blockdev (8)
c++filt (1)
                    - Demangle C++ and Java symbols.
credentials (7)

    process identifiers

Data::Dump::Trace (3pm) - Helpers to trace function and method calls
                    - PulseAudio Sound Server Startup Script
default.pa (5)
dircolors (1)
                     - color setup for ls
enchant-lsmod (1)
                   - Show information about available spell-checking module...
evince-thumbnailer (1) - create png thumbnails from PostScript and PDF documents
```

Q19. Create a symlink of /etc/services into /tmp/ports-info

Q20. You are appointed as a Software/DevOps Engineer in ABC media services. On your first day you need to troubleshoot a problem. There is a command "xyz" somewhere installed in that linux system. But as a new joinee you do not have any idea about where is that Installed. How can you check that?

