TASK 5

PART 2

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1. Write a bash script to echo your name 25 times

```
tharaniesh@tharaniesh-VirtualBox:~/Desktop/Cognizance/Main_Directory/5$ cd ..
tharaniesh@tharaniesh-VirtualBox:~/Desktop/Cognizance/Main_Directory$ cd
tharaniesh@tharaniesh-VirtualBox:~$ printf 'Thaxx\n%.0s' {1..25}
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
Thaxx
tharaniesh@tharaniesh-VirtualBox:~$
```

2. What command should I use to display the first 30 entries of syslog file ?

```
tharaniesh@tharaniesh-VirtualBox:~$ head -n 30 /var/log/syslog
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Listening on Syslog Socket.
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: systemd-rfkill.socket: Succeeded.
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Closed Load/Save RF Kill Switch Status /dev/rfkill Watch.
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for bare, revision 5...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for core18, revision 2253...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for core18, revision 2284...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for core20, revision 1242...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for core20, revision 1270...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for gnome-3-34-1804, revision 72...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for gnome-3-34-1804, revision 77...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for gnome-3-38-2004, revision 87...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for gtk-common-themes, revision 1515...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for gtk-common-themes, revision 1519...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for snap-store, revision 547...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for snap-store, revision 558...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for snapd, revision 14066...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Mounting Mount unit for snapd, revision 14295...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Starting Network Manager...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Starting Accounts Service...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Stopping ACPI event daemon...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Stopping Save/Restore Sound Card State...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Started Run anacron jobs.
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Starting LSB: automatic crash report generation...
Feb 25 08:30:57 tharaniesh-VirtualBox anacron[676]: Anacron 2.3 started on 2022-02-25
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Starting Avahi mDNS/DNS-SD Stack...
Feb 25 08:30:57 tharaniesh-VirtualBox systemd[1]: Starting Set console font and keymap...
Feb 25 08:30:57 tharaniesh-VirtualBox anacron[676]: Will run job `cron.daily' in 5 min.
Feb 25 08:30:57 tharaniesh-VirtualBox anacron[676]: Will run job `cron.weekly' in 10 min.
Feb 25 08:30:57 tharaniesh-VirtualBox anacron[676]: Will run job `cron.monthly' in 15 min.
Feb 25 08:30:57 tharaniesh-VirtualBox anacron[676]: Jobs will be executed sequentially
tharaniesh@tharaniesh-VirtualBox:~$
```

3. What command should I use to display the last 30 entries of syslog file?

```
tharaniesh@tharaniesh-VirtualBox:~$ tail -n 30 /var/log/syslog
Feb 25 11:02:15 tharaniesh-VirtualBox gnome-shell[1214]: g_dbus_connection_emit_signal: assertion 'G_IS_DBUS_CONNECTION (connection)' failed
Feb 25 11:02:15 tharaniesh-VirtualBox gnome-shell[1214]: cr_parser_new_from_buf: assertion 'a_buf && a_len' failed
Feb 25 11:02:15 tharaniesh-VirtualBox gnome-shell[1214]: cr_declaration_parse_list_from_buf: assertion 'parser' failed
Feb 25 11:17:01 tharaniesh-VirtualBox CRON[3812]: (root) CMD (   cd / && run-parts --report /etc/cron.hourly)
Feb 25 11:19:46 tharaniesh-VirtualBox dbus-daemon[414]: [system] Activating via systemd: service name='net.reactivated.Fprint' unit='fprintd.service' requested by ':1.41
' (uid=1000 pid=1214 comm="/usr/bin/gnome-shell " label="unconfined")
Feb 25 11:19:46 tharaniesh-VirtualBox systemd[1]: Starting Fingerprint Authentication Daemon...
Feb 25 11:19:46 tharaniesh-VirtualBox dbus-daemon[414]: [system] Successfully activated service 'net.reactivated.Fprint'
Feb 25 11:19:46 tharaniesh-VirtualBox systemd[1]: Started Fingerprint Authentication Daemon.
Feb 25 11:19:51 tharaniesh-VirtualBox NetworkManager[627]: <info>  [1645768191.6897] agent-manager: agent[c6b417c57894b80e,:1.41/org.gnome.Shell.NetworkAgent/1000]: agen
t registered
Feb 25 11:19:51 tharaniesh-VirtualBox gnome-shell[1214]: cr_parser_new_from_buf: assertion 'a_buf && a_len' failed
Feb 25 11:19:51 tharaniesh-VirtualBox gnome-shell[1214]: cr_declaration_parse_list_from_buf: assertion 'parser' failed
Feb 25 11:19:51 tharaniesh-VirtualBox dbus-daemon[973]: [session uid=1000 pid=973] Activating service name='org.freedesktop.FileManager1' requested by ':1.43' (uid=1000
pid=1214 comm="/usr/bin/gnome-shell " label="unconfined")
Feb 25 11:19:51 tharaniesh-VirtualBox gnome-shell[1214]: cr_parser_new_from_buf: assertion 'a_buf && a_len' failed
Feb 25 11:19:51 tharaniesh-VirtualBox gnome-shell[1214]: cr_declaration_parse_list_from_buf: assertion 'parser' failed
Feb 25 11:19:51 tharaniesh-VirtualBox dbus-daemon[973]: [session uid=1000 pid=973] Activating service name='org.gnome.Nautilus' requested by ':1.43' (uid=1000 pid=1214 c
omm="/usr/bin/gnome-shell " label="unconfined")
Feb 25 11:19:51 tharaniesh-VirtualBox gnome-shell[1214]: cr_parser_new_from_buf: assertion 'a_buf && a_len' failed
Feb 25 11:19:51 tharaniesh-VirtualBox gnome-shell[1214]: cr_declaration_parse_list_from_buf: assertion 'parser' failed
Feb 25 11:19:52 tharaniesh-VirtualBox dbus-daemon[973]: [session uid=1000 pid=973] Successfully activated service 'org.gnome.Nautilus'
Feb 25 11:19:52 tharaniesh-VirtualBox org.gnome.Nautilus[3847]: Failed to register: Unable to acquire bus name 'org.gnome.Nautilus'
Feb 25 11:19:52 tharaniesh-VirtualBox dbus-daemon[973]: [session uid=1000 pid=973] Successfully activated service 'org.freedesktop.FileManager1'
Feb 25 11:19:55 tharaniesh-VirtualBox gnome-shell[1214]: Window manager warning: Overwriting existing binding of keysym 31 with keysym 31 (keycode a).
Feb 25 11:19:55 tharaniesh-VirtualBox gnome-shell[1214]: Window manager warning: Overwriting existing binding of keysym 32 with keysym 32 (keycode b).
Feb 25 11:19:55 tharaniesh-VirtualBox gnome-shell[1214]: Window manager warning: Overwriting existing binding of keysym 33 with keysym 33 (keycode c).
Feb 25 11:19:55 tharaniesh-VirtualBox gnome-shell[1214]: Window manager warning: Overwriting existing binding of keysym 34 with keysym 34 (keycode d).
Feb 25 11:19:55 tharaniesh-VirtualBox gnome-shell[1214]: Window manager warning: Overwriting existing binding of keysym 38 with keysym 38 (keycode 11).
Feb 25 11:19:55 tharaniesh-VirtualBox gnome-shell[1214]: Window manager warning: Overwriting existing binding of keysym 39 with keysym 39 (keycode 12).
Feb 25 11:19:55 tharaniesh-VirtualBox gnome-shell[1214]: Window manager warning: Overwriting existing binding of keysym 35 with keysym 35 (keycode e).
Feb 25 11:19:55 tharaniesh-VirtualBox gnome-shell[1214]: Window manager warning: Overwriting existing binding of keysym 36 with keysym 36 (keycode f).
Feb 25 11:19:55 tharaniesh-VirtualBox gnome-shell[1214]: Window manager warning: Overwriting existing binding of keysym 37 with keysym 37 (keycode 10).
Feb 25 11:20:16 tharaniesh-VirtualBox systemd[1]: fprintd.service: Succeeded.
tharaniesh@tharaniesh-VirtualBox:~$
tharaniesh@tharaniesh-VirtualBox:~$
```

4. What command should I use to arrange the entries of a file?

   a. Alphabetically

```
tharaniesh@tharaniesh-VirtualBox:~/Desktop$ sort test1.txt

a
b
d
e
f
g
tharaniesh@tharaniesh-VirtualBox:~/Desktop$
```

   b. Reverse

```
tharaniesh@tharaniesh-VirtualBox:~/Desktop$ sort -r test1.txt
g
f
e
d
b
a

tharaniesh@tharaniesh-VirtualBox:~/Desktop$
```

c. Numeric

```
tharaniesh@tharaniesh-VirtualBox:~/Desktop$ sort -n test1.txt

0
1
2
3
4
5
6
7
8
9
tharaniesh@tharaniesh-VirtualBox:~/Desktop$
```

5. Copee is a hard-working cop. He found a case and almost at the verge of cracking it. It could be his best breakthrough. He has the list of criminals but lots of duplicates are there. He needs to find the only one that is different. He sought your help. How will you sort this issue?

<u>Ans</u> : sort <filename> | uniq --c

6. What are the four parts of file's permission?
   1. Read
   2. Write
   3. Delete
   4. Execute