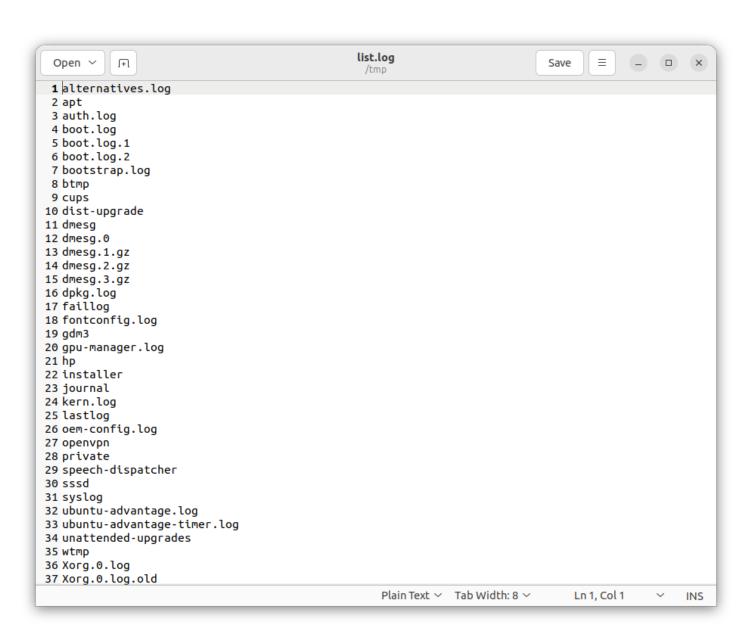
Lab Objectives:

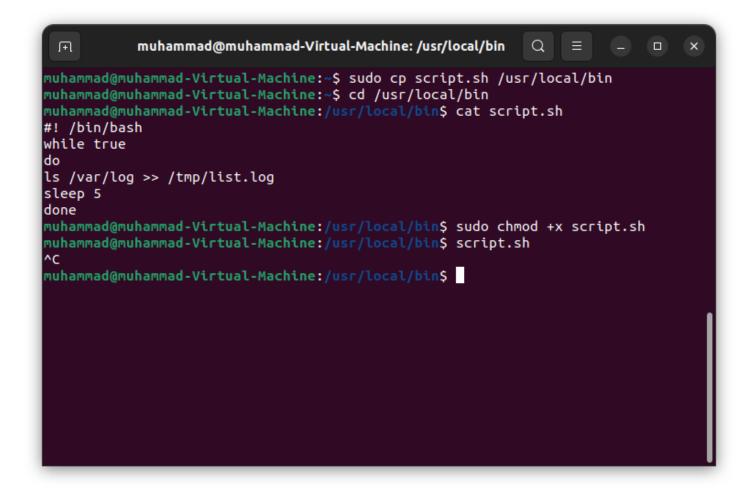
• create script to list all files in /var/log every 5 seconds and append the list to /tmp/list.log file

touch script.sh nano script.sh

```
cd / temp
touch list.log
cd ~
bash script.sh
```



• copy the script to /usr/local/bin directory and set the execution attribute to it



• create systemd service file to execute the the script as background service

```
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      muhammad@muhammad-Virtual-Machine: /etc/systemd/sys...
                                                                ≡
                                                                          muhammad@muhammad-Virtual-Machine:~$
muhammad@muhammad-Virtual-Machine:~$ nano myServ.service
muhammad@muhammad-Virtual-Machine:~$ sudo systemctl daemon.reload
Unknown command verb daemon.reload.
muhammad@muhammad-Virtual-Machine:~$ sudo cp myServ.service /etc/systemd/system/
muhammad@muhammad-Virtual-Machine:~$ cd /etc/systemd/system
muhammad@muhammad-Virtual-Machine:/etc/systemd/system$ sudo systemctl daemon-rel
muhammad@muhammad-Virtual-Machine:/etc/systemd/system$ sudo service myServ start
muhammad@muhammad-Virtual-Machine:/etc/systemd/system$ sudo service myServ statu
myServ.service
     Loaded: loaded (/etc/systemd/system/myServ.service; disabled; vendor prese>
     Active: active (running) since Sat 2023-02-25 09:00:53 EST; 21s ago
   Main PID: 29635 (script.sh)
      Tasks: 2 (limit: 3371)
     Memory: 536.0K
       CPU: 24ms
     CGroup: /system.slice/myServ.service
              -29635 /bin/bash /usr/local/bin/script.sh
             └-29645 sleep 5
Feb 25 09:00:53 muhammad-Virtual-Machine systemd[1]: Started myServ.service.
Feb 25 09:00:53 muhammad-Virtual-Machine script.sh[29636]: /usr/local/bin/scrip>
```

• using cron, schedule a job every 5 minutes to copy /tmp/list.log file to /tmp/list.log.1 and compress the file using zip command

sudo apt-get install cron

crontab –e

*/5 * * * zip -r /temp/list.log.1.zip /temp/list.log

```
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                     muhammad@muhammad-Virtual-Machine: ~
                                                            Q
                                                                           GNU nano 6.2
                             /tmp/crontab.ie67qe/crontab *
 Each task to run has to be defined through a single line
 and what command to run for the task
# To define the time you can provide concrete values for
 daemon's notion of time and timezones.
# Output of the crontab jobs (including errors) is sent through
 email to the user the crontab file belongs to (unless redirected).
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
*/5 * * * * zip -r /temp/list.log.1.zip /tmp/list.log
             ^O Write Out <mark>^W</mark> Where Is
  Help
                                        ^K Cut
                                                        Execute
                                                                     Location
  Exit
             ^R Read File ^\ Replace
                                        ^U Paste
                                                                     Go To Line
                                                        Justify
```