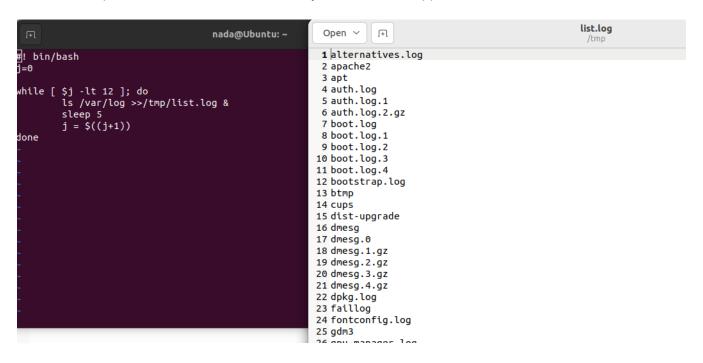
## Lab4

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



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

```
nada@Ubuntu:/usr/local/bin$ sudo chmod +x script.sh
nada@Ubuntu:/usr/local/bin$ ./script.sh
```

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

```
nada@Ubuntu:~$ sudo apt install vim
[sudo] password for nada:
   dpkg was interrupted, you must manually run 'sudo dpkg --configure -a' to cor
rect the problem.
nada@Ubuntu:~$ ^C
nada@Ubuntu:~$ sudo dpkg --configure -a
Setting up initramfs-tools (0.140ubuntu13) ...
update-initramfs: deferring update (trigger activated)
Processing triggers for initramfs-tools (0.140ubuntu13) ...
update-initramfs: Generating /boot/initrd.img-5.15.0-58-generic
nada@Ubuntu:~$ touch ser.service
nada@Ubuntu:~$ sudo cp ser.service /etc/systemd/system/
nada@Ubuntu:~$ cd /etc/systemd/system/
nada@Ubuntu:/etc/systemd/system$ sudo systemctl deamon-reload
Unknown command verb deamon-reload.
nada@Ubuntu:/etc/systemd/system$ sudo systemctl daemon-reload
nada@Ubuntu:/etc/systemd/system$ sudo service ser start
```

```
nada@Ubuntu:/etc/systemd/system$ sudo service ser status
ser.service
    Loaded: loaded (/etc/systemd/system/ser.service; disabled; vendor preset: >
     Active: active (running) since Wed 2023-02-22 15:24:48 EET; 24s ago
   Main PID: 10998 (script.sh)
     Tasks: 2 (limit: 2288)
    Memory: 880.0K
        CPU: 69ms
     CGroup: /system.slice/ser.service
              -10998 bin/bash /usr/local/bin/script.sh
             └-11009 sleep 5
Feb 22 15:24:48 Ubuntu systemd[1]: Started ser.service.
Feb 22 15:24:53 Ubuntu script.sh[11004]: /usr/local/bin/script.sh: line 7: j: c>
Feb 22 15:24:58 Ubuntu script.sh[11007]: /usr/local/bin/script.sh: line 7: j: c>
Feb 22 15:25:13 Ubuntu systemd[1]: /etc/systemd/system/ser.service:1: Unknown s>
lines 1-15/15 (END)
                                                 ser.service
  Open ~
            \Box
 1 [unit]
 2 Description: bgprocess
 3 After=syslog.target.network.target
 5 [Service]
 6 Type=simple
 7 User=root
 8 ExecStart=/usr/local/bin/script.sh
 9 Restart=on.abort
10
11 [Install]
12 WantedBy=multi-user.target
```

• 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

```
#
# m h dom mon dow command
*/5 * * * zip -r /tmp/list.log.1.zip /tmp/list.log
```