Lab4

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

```
script.sh
  Open ~
            [+]
 1#! /bin/bash
 3 while true; do
     ls /var/log >> /tmp/list.log
      sleep 5
 6 done
habiba@habiba-VirtualBox:~$ touch script.sh
habiba@habiba-VirtualBox:~$ nano script.sh
habiba@habiba-VirtualBox:~$ bash script.sh
                                                                              list.log
                        script.sh
 1 alternatives.log
  2 apache2
  3 apt
  4 auth.log
  5 boot.log
  6 boot.log.1
  7 bootstrap.log
 8 btmp
 9 cups
 10 dist-upgrade
 11 dmesg
 12 dmesg.0
 13 dmesg.1.gz
 14 dmesg.2.gz
 15 dmesg.3.gz
 16 dmesg.4.gz
 17 dpkg.log
 18 faillog
 19 fontconfig.log
 20 gdm3
 21 gpu-manager.log
 22 hp
 23 installer
 24 journal
```

• 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

```
habiba@habiba-VirtualBox:~$ touch lab4.service
habiba@habiba-VirtualBox:~$ sudo cp lab4.service /etc/systemd/system/
[sudo] password for habiba:
habiba@habiba-VirtualBox:~$ cd /etc/systemd/system/
habiba@habiba-VirtualBox:/etc/systemd/system$ sudo systemctl daemon-reload
habiba@habiba-VirtualBox:/etc/systemd/system$ sudo service lab4 start
habiba@habiba-VirtualBox:/etc/systemd/system$ sudo service lab4 status
● lab4.service

Loaded: loaded (/etc/systemd/system/lab4.service; disabled; vendor preset:>
Active: active (running) since Wed 2023-03-01 04:42:47 EET; 26s ago
Main PID: 6070 (script.sh)
Tasks: 2 (limit: 9709)
Memory: 556.0K
```

• 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

