Lab 4

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

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

```
vboxuser@Ubuntuu:/var/lab4$ sudo cp script.sh /usr/local/bin/script.sh
vboxuser@Ubuntuu:/var/lab4$ sudo chmod +x /usr/local/bin/script.sh
vboxuser@Ubuntuu:/var/lab4$
```

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

```
GNU nano 6.2
                                  bg_process.service
                                      New Buffer *
[Unit]
Description=bg_process
After=syslog.target network.target
[Service]
Type=simple
User=root
Group=root
TimeoutStartSec=0
Restart=on-failure
RestartSec=30s
#ExecStartPre=
ExecStart=/usr/local/bin/script.sh
#ExecStop=
[Install]
WantedBy=multi-user.target
```

4. 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 crontab -e then:

```
GNU nano 6.2
                                                /tmp/crontab.rQmfuE/crontab
   Edit this file to introduce tasks to be run by cron.
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
# 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/
# m h dom mon dow command
*/5 * * * * zip -r /tmp/list.log.1.zip /tmp/list.log
                                                   ^W Where Is
^\ Replace
                         ^O Write Out
                                                                             ^K Cut
     Help
                                                                                                            Execute
                              Read File
                                                        Replace
                                                                                  Paste
                                                                                                            Justify
```