Objectives:

1- create script to list all files in /var/log

```
  GNU nano 6.2                                    myscript.s
#! /bin/bash
while true; do
ls /var/log > /tmp/list.log
sleep 5;
done
```

2-copy the script to usr

```
cp: cannot create regular file '/usr/local/bin/myscript.sh': Permission denied
omarwalid@omarwalid-VirtualBox:~/Labs$ sudo cp myscript.sh /usr/local/bin/myscr
ipt.sh
```

3-create systemd service file to excute the script

```
omarwalid@omarwalid-VirtualBox:~/Labs$ systemctl start bg_script.service
omarwalid@omarwalid-VirtualBox:~/Labs$ systemctl status bg_script.service
● bg_script.service - bg_process
     Loaded: loaded (/etc/systemd/system/bg_script.service; disabled; vendor p>
     Active: active (running) since Wed 2023-02-22 13:20:56 EET; 9s ago
   Main PID: 12734 (myscript.sh)
      Tasks: 2 (limit: 4625)
     Memory: 600.0K
        CPU: 8ms
     CGroup: /system.slice/bg_script.service
             ├─12734 /bin/bash /usr/local/bin/myscript.sh
             └─12738 sleep 5

13:20:56 22 فبر omarwalid-VirtualBox systemd[1]: Started bg_process.
lines 1-12/12 (END)
```

```
  GNU nano 6.2              /etc/systemd/system/bg_script.service
[Unit]
Description=bg_process
After=syslog.target network.terget

[Service]
Type=simple
User=root
Group=root
TimeoutStartSec=0
Restart=on-failure
RestartSec=30s
#ExecStartPre=
ExecStart=/usr/local/bin/myscript.sh
#ExecStop=

[Install]
WantedBy=multi-user.target
```

4-using cron schedule job to copy and zip

Using command crontab -e

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