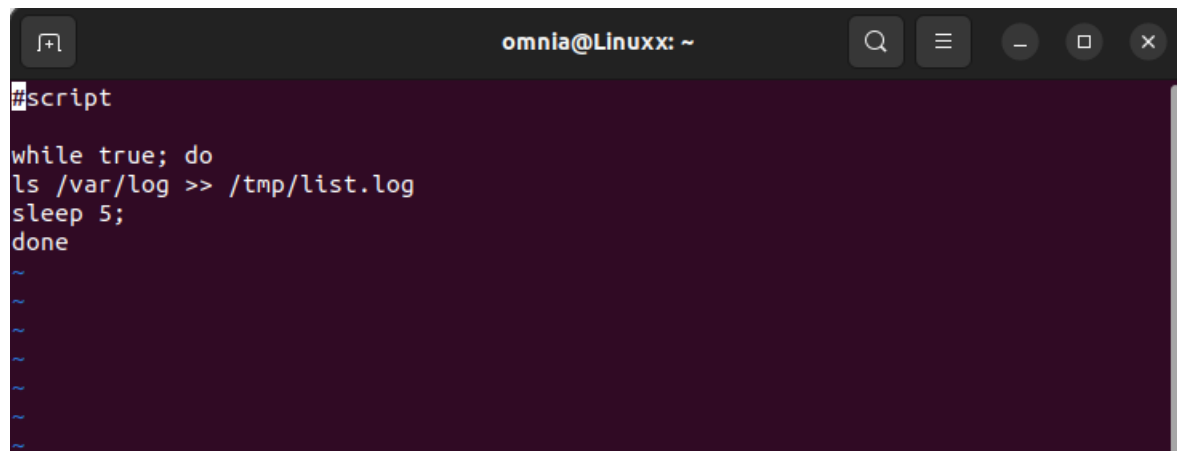# System Admin – Lab4

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

```
omnia@Linuxx:~$ vi script.sh
```
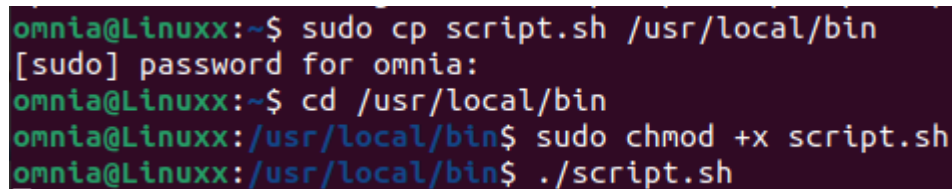
```
[+]                          omnia@Linuxx: ~              Q  ☰   —  □  ✕

#script

while true; do
ls /var/log >> /tmp/list.log
sleep 5;
done
~
~
~
~
~
~
~
```

```
omnia@Linuxx:~$ sudo chmod +x script.sh
[sudo] password for omnia:
omnia@Linuxx:~$ ./script.sh
```

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

```
omnia@Linuxx:~$ sudo cp script.sh /usr/local/bin
[sudo] password for omnia:
omnia@Linuxx:~$ cd /usr/local/bin
omnia@Linuxx:/usr/local/bin$ sudo chmod +x script.sh
omnia@Linuxx:/usr/local/bin$ ./script.sh
```

3. create systemd service file to execute the the script as background service
   - sudo touch process.service
   - sudo systemctl daemon-reload
   - sudo systemctl enable process.service
   - sudo systemctl start process.service
   - sudo systemctl status process.service

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

```
*/5 * * * * zip -r /tmp/list.log.1.zip /tmp/list.log
```