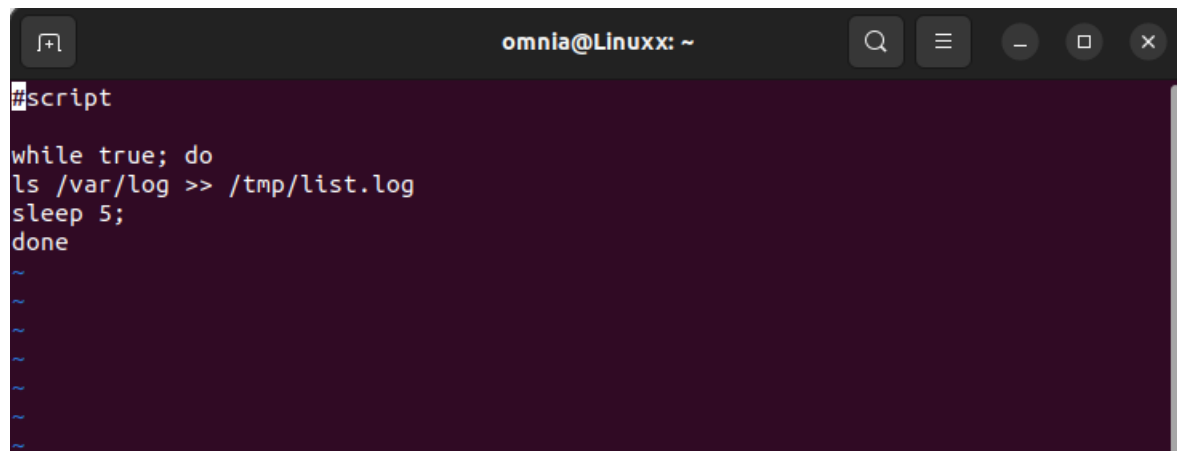


System Admin – Lab4

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
```

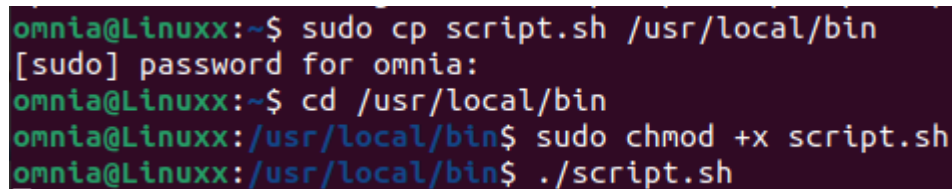


A screenshot of a terminal window titled "omnia@Linuxx: ~". The window shows the contents of a file named "script.sh". The script is a shell script that runs a loop: "while true; do", "ls /var/log >> /tmp/list.log", "sleep 5;", "done". There are several tilde (~) characters below the script, likely representing line continuations or just text in the image.

```
#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



A screenshot of a terminal window showing the execution of the script. The user runs "sudo cp script.sh /usr/local/bin", then "cd /usr/local/bin", then "sudo chmod +x script.sh", and finally " ./script.sh".

```
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 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
```