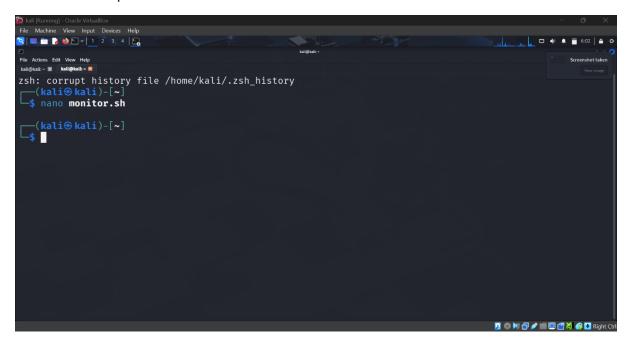
Create a script 'monitor.sh' that:

- Checks if 'nginx' is running and starts it if not.
- Displays memory usage, CPU load, and disk usage.
- Logs all activities with timestamps.

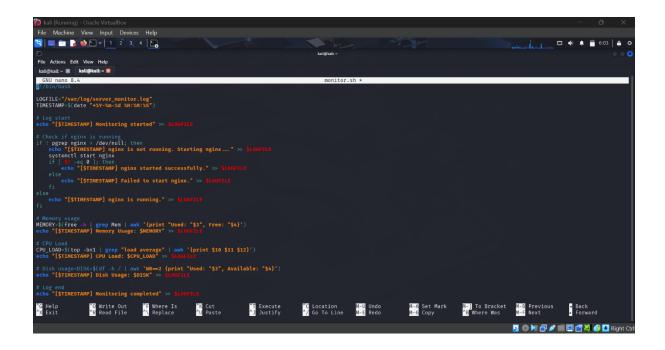
Schedule it via cron to run every 5 minutes.

Step 1 :
Create a new script file

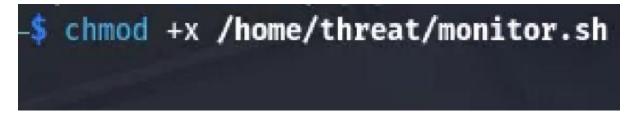


## Step 2:

Paste the code in the nano file.



# Step 3 : Make the script executable



### Step 4:

### Verify the output

```
$ sudo /home/threat/monitor.sh
cat /home/threat/monitor.log
[2025-07-27 16:52:47] Monitoring started...
[2025-07-27 16:52:47] nginx is running.
[2025-07-27 16:52:47] Memory Usage:
               total
                                         free
                                                   shared
                                                           buff/cache
                                                                        available
                           used
Mem:
               7.5Gi
                           3.9Gi
                                       1.8Gi
                                                    785Mi
                                                                2.9Gi
                                                                            3.6Gi
Swap:
               7.7Gi
                              0B
                                       7.7Gi
[2025-07-27 16:52:47] CPU Load:
16:52:47 up 7:34, 1 user, load average: 0.53, 0.57, 0.54
[2025-07-27 16:52:47] Disk Usage:
Filesystem
                Size Used Avail Use% Mounted on
udev
                3.7G
                         Ø 3.7G
                                   0% /dev
tmpfs
                769M 2.1M 767M
                                   1% /run
                      20G 418G
/dev/nvme0n1p2 460G
                                   5% /
                                   1% /dev/shm
tmpfs
                3.8G 9.7M
                            3.8G
efivarfs
                192K 120K
                             68K
                                  64% /sys/firmware/efi/efivars
                                   0% /run/lock
tmpfs
                5.0M
                         0 5.0M
                                   0% /run/credentials/systemd-journald.service
tmpfs
                1.0M
                         0 1.0M
tmpfs
                3.8G 3.9M 3.8G
                                   1% /tmp
                                   1% /boot/efi
/dev/nvme0n1p1 975M 156K 974M
                769M 176K 769M
                                   1% /run/user/1000
tmpfs
[2025-07-27 16:52:47] Monitoring completed.
```

## Step 5:

#### Automate with cron

```
crontab -e

no crontab for threat - using an empty one
Select an editor. To change later, run select-editor again.

1. /bin/nano <---- easiest

2. /usr/bin/vim.basic

3. /usr/bin/vim.tiny

Choose 1-3 [1]: 1
crontab: installing new crontab
```