

3,4.

```
nada@nada-Dell-G15-5515:-$ crontab -e
no crontab for nada - using an empty one
Select an editor. To change later, run 'select-editor'.
 1. /bin/nano
                       <---- easiest
  /usr/bin/vim.tiny
  /bin/ed
Choose 1-3 [1]: */5 * * * * /home/<your-username>/iot_logger/scripts/sensor_poll.sh Choose 1-3 [1]: 1
crontab: installing new crontab
nada@nada-Dell-G15-5515:-$ crontab -l
*/5 * * * * /home/nada/iot_logger/scripts/sensor_poll.sh
# Edit this file to introduce tasks to be run by cron.
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
# 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').
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
# 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/
```

```
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# 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/
# For more information see the manual pages of crontab(5) and cron(8)
# m h dom mon dow command
nada@nada-Dell-G15-5515:~$ tail ~/iot_logger/logs/temperature.log
م EEST 10:59:12 سبت, EEST 10:59:12
م EEST 10:59:13 سټ, 2025 °C at 04 2025
م EEST 10:59:14 سبت, 2025 °C at 04 2025
م EEST 10:59:14 سبت, Temperature: 21 °C at 04 2025
م EEST 10:59:15 میت, EEST 10:59:15 م
Temperature: 26 °C at 04 2025 سیت, EEST 10:59:16 م
م EEST 10:59:16 سیت, EEST 10:59:16 سیت, EEST 10:59:16 م
م EEST 10:59:17 سبت, EEST 20°C at 04 2025
م EEST 10:59:18 سبت, 2025 °C at 04 2025
م EEST 10:59:18 سبت, Temperature: 27 °C at 04 2025
```

5.

```
nada@nada-Dell-G15-5515:=$ cd ~/iot_logger/data
nada@nada-Dell-G15-5515:=/iot_logger/data$ tar -czvf old_logs_$(date +%F).tar.gz ../logs/temperature.log.*
tar: Removing leading `../' from member names
../logs/temperature.log.1.gz
nada@nada-Dell-G15-5515:-/iot_logger/data$ ^C
nada@nada-Dell-G15-5515:-/lot_logger/data$ ls
filtered.log old_logs_2025-09-04.tar.gz services temperature.log test.log
```

```
6.

nada@nada-Dell-G15-5515:~$ mkdir -p ~/server
nada@nada-Dell-G15-5515:~$
nada@nada-Dell-G15-5515:~$ cp old_logs_*.tar.gz ~/server/
cp: cannot stat 'old_logs_*.tar.gz': No such file or directory
nada@nada-Dell-G15-5515:~$ cp old_logs_2025-09-04.r.gz ~/server/
cp: cannot stat 'old_logs_2025-09-04.r.gz': No such file or directory
nada@nada-Dell-G15-5515:~$ cp old_logs_2025-09-04.tar.gz ~/server/
cp: cannot stat 'old_logs_2025-09-04.tar.gz': No such file or directory
nada@nada-Dell-G15-5515:~$ cd ~/iot_logger/data
nada@nada-Dell-G15-5515:~/iot_logger/dataS cp old logs_2025-09-04.tar.gz ~/server/
```