Q.4 Create a service for the following:

Your USB device should be mounted automatically on following folder: /pendrive.

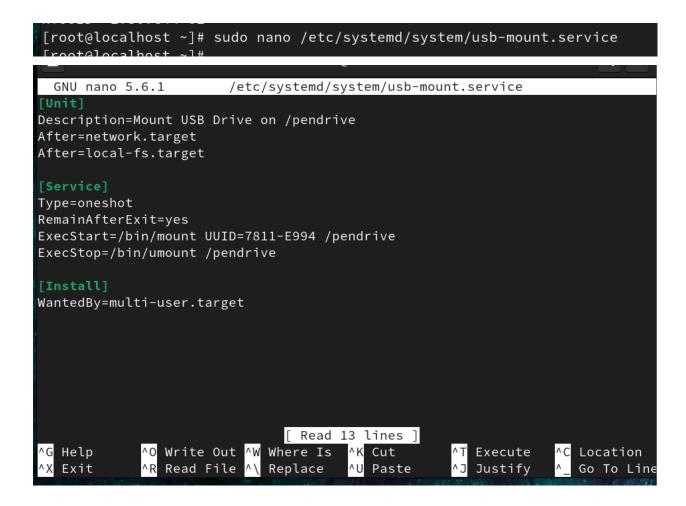1. Check the pendrive is connected

```
bash: journalctl: command not found...
[root@localhost ~]# lsblk
NAME             MAJ:MIN RM   SIZE RO TYPE MOUNTPOINTS
sda                  8:0    0 30.2G  0 disk
├─sda1               8:1    0    1G  0 part /boot
└─sda2               8:2    0 29.2G  0 part
  ├─cs-root 253:0    0 26.2G  0 lvm  /
  └─cs-swap 253:1    0    3G  0 lvm  [SWAP]
sdb                 8:16    1 57.7G  0 disk
└─sdb1              8:17    1 57.7G  0 part /pendrive
sr0                 11:0    1 1024M  0 rom
[root@localhost ~]#
```

2. Check UUID should be correct in usb-mount.service

```
[root@localhost ~]# sudo blkid /dev/sdb1
/dev/sdb1: LABEL_FATBOOT="vikash" LABEL="vikash" UUID="7811-E994" TYPE="vfat"
RTUUID="27307e44-01"
[root@localhost ~]# sudo mkdir /pendrive
```

3. Check the mount the system service

```
[root@localhost ~]# sudo nano /etc/systemd/system/usb-mount.service
[root@localhost ~]#
```

```
  GNU nano 5.6.1              /etc/systemd/system/usb-mount.service
[Unit]
Description=Mount USB Drive on /pendrive
After=network.target
After=local-fs.target

[Service]
Type=oneshot
RemainAfterExit=yes
ExecStart=/bin/mount UUID=7811-E994 /pendrive
ExecStop=/bin/umount /pendrive

[Install]
WantedBy=multi-user.target




                                   [ Read 13 lines ]
^G Help         ^O Write Out ^W Where Is  ^K Cut        ^T Execute    ^C Location
^X Exit         ^R Read File ^\ Replace   ^U Paste      ^J Justify    ^_ Go To Line
```

4. Add the permission to the file

```
[root@localhost ~]# sudo chmod 644 /etc/systemd/sytem/usb-mount.service
```

5.Check the pendrive is connected

```
[root@localhost ~]# df -h
Filesystem           Size  Used Avail Use% Mounted on
devtmpfs             4.0M     0  4.0M   0% /dev
tmpfs                1.8G     0  1.8G   0% /dev/shm
tmpfs                732M  9.3M  723M   2% /run
/dev/mapper/cs-root   27G  5.8G   21G  22% /
/dev/sda1            960M  368M  593M  39% /boot
/dev/sdb1             58G  160K   58G   1% /pendrive
tmpfs                366M   96K  366M   1% /run/user/1000
[root@localhost ~]#
```

6.Reboot the device after that

```
[root@localhost ~]# sudo systemctl enable usb-mount.service
[root@localhost ~]# sudo reboot
```

7. Check the status is active

```
[root@localhost ~]# sudo systemctl enable usb-mount.service
[root@localhost ~]# sudo systemctl status usb-mount.service
● usb-mount.service - Mount USB Drive on /pendrive
     Loaded: loaded (/etc/systemd/system/usb-mount.service; enabled; preset: di>
     Active: active (exited) since Wed 2024-09-25 23:40:37 IST; 7min ago
   Main PID: 952 (code=exited, status=0/SUCCESS)
        CPU: 30ms

Sep 25 23:40:37 localhost.localdomain systemd[1]: Starting Mount USB Drive on />
Sep 25 23:40:37 localhost.localdomain systemd[1]: Finished Mount USB Drive on />
lines 1-8/8 (END)
```