## Tasks:

1. Use fdisk -l to locate information about the partition sizes.

```
Password:
[root@localhost ~]# fdisk -l /dev/
/dev/mapper/cs-root /dev/sda /dev/sda2
/dev/mapper/cs-swap /dev/sda1 /dev/sr0
[root@localhost ~]#
```

2. Use fdisk to add a new logical partition that is 2GB in size.

3. Did the kernel feel the changes? Display the content of /proc/partitions file?

What did you notice? How to overcome that?

```
-basii. cac/proc/parcicions. No sucii
[root@centos8srv ~]# cat /proc/partitions
major minor #blocks name
           0 41943040 sda
           1 27262976 sda1
          2
               4194304 sda2
           3 10484736 sda3
        16 10485760 sdb
17 1 sdb
  8
  8
                     1 sdb1
               2097152 sdb5
  8
          21
           Θ
                1048575 sr0
```

4. Make a new ext4 file system on the new logical partition you just created.

- 5. Create a directory, name it /data.
- 6. Add a label to the new filesystem, name it data.
- 7. Add a new entry to /etc/fstab for the new filesystem using the label you just

create.

8. Mount the new filesystem

```
root@centos8srv ~]# mkdir /data
root@centos8srv ~]# e2label /dev/sdb "data"
2label: Bad magic number in super-block while trying to open /dev/sdb
ound a dos partition table in /dev/sdb
root@centos8srv ~]# nano /etc/fstab
root@centos8srv ~]# mount -a
ount: /data: can't find LABEL="data".
root@centos8srv ~]# nano /etc/fstab
root@centos8srv ~]# nano /etc/fstab
root@centos8srv ~]# nano /etc/fstab
root@centos8srv ~]# e2label /dev/sdb "data"
2label: Bad magic number in super-block while trying to open /dev/sdb
ound a dos partition table in /dev/sdb
root@centos8srv ~]# e2label /dev/sdb5 "data"
root@centos8srv ~]# e2label /dev/sdb5 "data"
root@centos8srv ~]# nano /etc/fstab
root@centos8srv ~]# nano /etc/fstab
root@centos8srv ~]# mount -a
root@centos8srv ~]# mount -a
```