RHCSA Practice

Objective: ***Configure local storage***

Requirements:

- Install a RHEL 9 virtual machine that meets the following requirements:
    - 2 two additional disk of size 1GB

A. Disk 1

1. Create a lvm volume group named **datastore** with 2 physical volumes of size **100MB**. Also, that volume group can only have two logical partitions.
2. Create a lvm logical volume named **accounting_fs** of size **150MB**, format it as an **ext4** filesystem and mount it permanently on **/datastore/accounting_fs** using the label ACCOUNTING_FS_STORAGE
3. Create a file name **sample.img** of size 120M under the **/datastore/accounting_fs** using the **dd** command.
4. Extends the size of **datastore** volume group using a partition of size **100MB** from the first attached block devise.
5. Remove the secondary partition from the **datastore** volume group.
6. Reduce the size of the accounting_fs logical volume to **130MB.**

B. Disk 2

1. Create 2 partitions of size 2GB and configure the first partition as a swap partition and the second partition as a physical volume of a volume group **nsfvg** which has extents of size **8M** and create a logical volume of size **500MB** which will be mounted on **/nfs_data** using UUID as **ext4** filesystem with label NFS_STORAGE.