

ANSWERS

create volume grp named as rasmalai and create logical volume as balmithai.

```
root@localhost:~  
VG Name  
PV Size          3.00 GiB  
Allocatable      NO  
PE Size          0  
Total PE         0  
Free PE          0  
Allocated PE     0  
PV UUID          jWmumd-6axI-3Zef-Uo2W-tqaE-slcP-ZcsZic  
  
[root@localhost ~]# lsblk  
NAME                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT  
sda                  8:0    0   15G  0 disk  
├─sda1                8:1    0   953M  0 part /boot  
└─sda2                8:2    0  10.3G  0 part  
   ├─centos-root      253:0    0   9.3G  0 lvm /  
   └─centos-swap      253:1    0   956M  0 lvm [SWAP]  
sdb                  8:16    0    3G  0 disk  
sdc                  8:32    0    8G  0 disk  
└─rasamalai-balmithai 253:2    0    2G  0 lvm  
sdd                  8:48    0    8G  0 disk  
sde                  8:64    0    8G  0 disk  
sr0                  11:0    1  1024M  0 rom  
sr1                  11:1    1  1024M  0 rom  
[root@localhost ~]#
```

create volume grp named as coa and logical volume as biriyani.

```
root@localhost:~  
Volume group "coa" successfully created  
[root@localhost ~]# lvcreate -L 2G -n biriyani coa  
Logical volume "biriyani" created.  
[root@localhost ~]# lsblk  
NAME                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT  
sda                  8:0    0   15G  0 disk  
├─sda1                8:1    0   953M  0 part /boot  
└─sda2                8:2    0  10.3G  0 part  
   ├─centos-root      253:0    0   9.3G  0 lvm /  
   └─centos-swap      253:1    0   956M  0 lvm [SWAP]  
sdb                  8:16    0    3G  0 disk  
sdc                  8:32    0    8G  0 disk  
└─coa-biriyani       253:2    0    2G  0 lvm  
sdd                  8:48    0    8G  0 disk  
sde                  8:64    0    8G  0 disk  
sr0                  11:0    1  1024M  0 rom  
sr1                  11:1    1  1024M  0 rom  
[root@localhost ~]# pvs  
PV          VG      Fmt  Attr PSize  PFree  
/dev/sda2   centos  lvm2 a--  10.25g 8.00m  
/dev/sdb    lvm2    ---   3.00g 3.00g  
/dev/sdc    coa      lvm2 a--   7.98g 5.98g  
/dev/sdd    coa      lvm2 a--   7.98g 7.98g  
/dev/sde    coa      lvm2 a--   7.98g 7.98g
```

Soft and hard links

```
root@localhost:~  
[root@localhost ~]# ll  
total 24  
-rw-----. 1 root root 1712 Oct 31 13:35 anaconda-ks.cfg  
-rw-r--r--. 2 root root  24 Nov  8 10:52 chole  
-rw-r--r--. 1 root root  26 Nov  8 10:51 jalebi  
-rw-r--r--. 1 root root  25 Nov  8 10:52 mario  
lrwxrwxrwx. 1 root root   5 Nov  8 16:47 mariosoft -> mario  
drwxr-xr-x. 3 root root 4096 Nov  8 16:32 nitish45  
drwxr-xr-x. 2 root root   6 Oct 31 16:13 repo  
drwxr-xr-x. 2 root root  89 Nov  8 10:28 repol  
-rw-r--r--. 2 root root  24 Nov  8 10:53 sunio  
[root@localhost ~]#
```

```
root@localhost:/var/log
[root@localhost ~]# cd /home
[root@localhost home]# ll
total 8
-rw-r--r--. 3 root root 24 Nov 8 10:52 cholehard
drwx----- 2 nitish nitish 62 Oct 31 13:32 nitish
-rw-r--r--. 1 root root 30 Nov 8 10:38 tmp
[root@localhost home]# cd
[root@localhost ~]# cd /tmp
[root@localhost tmp]# ll
total 8
-rw-r--r--. 3 root root 24 Nov 8 10:52 cholehard
-rwx----- 1 root root 836 Oct 31 13:35 ks-script-EwthFf
drwx----- 3 root root 17 Nov 8 15:33 systemd-private-73a73702d8be4f9894272e1
400400fc8-chronyd.service-AHqZxK
-rw----- 1 root root 0 Oct 31 13:32 yum.log
[root@localhost tmp]# cd
[root@localhost ~]# cd /var/log
[root@localhost log]# ll
total 1240
drwxr-xr-x. 2 root root 204 Oct 31 13:35 anaconda
drwx----- 2 root root 23 Oct 31 13:36 audit
-rw----- 1 root root 110821 Nov 8 15:33 boot.log
-rw----- 1 root utmp 1536 Nov 8 16:39 btmp
drwxr-xr-x. 2 chrony chrony 6 Aug 8 2019 chrony
-rw----- 1 root root 4720 Nov 8 16:01 cron
-rw-r--r-- 1 root root 35126 Nov 8 15:33 dmesg
-rw-r--r-- 1 root root 35126 Nov 8 14:43 dmesg.old
-rw-r--r-- 1 root root 8596 Nov 8 15:33 firewallld
-rw-r--r-- 1 root root 193 Oct 31 13:32 grubby_prune_debug
drwx----- 2 root root 41 Oct 31 16:44 httpd
lrwxrwxrwx. 1 root root 6 Nov 8 16:41 jalebisoft -> jalebi
-rw-r--r-- 1 root root 292000 Nov 8 16:39 lastlog
-rw----- 1 root root 2574 Nov 8 15:33 maillog
-rw----- 1 root root 964850 Nov 8 16:39 messages
drwxr-xr-x. 2 root root 6 Oct 31 13:35 rhsm
-rw----- 1 root root 18722 Nov 8 16:39 secure
-rw----- 1 root root 0 Oct 31 13:33 spooler
```

```
root@localhost:/etc
-rw-r--r--. 1 root root      858 Nov  6  2016 GeoIP.conf.default
drwxr-xr-x. 2 root root        6 Nov  5  2016 gnupg
-rw-r--r--. 1 root root       94 Mar 24  2017 GREP_COLORS
drwxr-xr-x. 4 root root       40 Oct 31 13:32 groff
-rw-r--r--. 1 root root      483 Oct 31 16:42 group
-rw-r--r--. 1 root root      470 Oct 31 16:30 group-
lrwxrwxrwx. 1 root root       22 Oct 31 13:33 grub2.cfg -> ../boot/grub2/grub.cfg
drwx-----. 2 root root      182 Oct 31 13:34 grub.d
------. 1 root root      385 Oct 31 16:42 gshadow
------. 1 root root      374 Oct 31 16:30 gshadow-
drwxr-xr-x. 3 root root       20 Oct 31 13:32 gss
-rw-r--r--. 1 root root        9 Jun  7  2013 host.conf
-rw-r--r--. 1 root root       22 Oct 31 13:35 hostname
-rw-r--r--. 1 root root      158 Jun  7  2013 hosts
-rw-r--r--. 1 root root      370 Jun  7  2013 hosts.allow
-rw-r--r--. 1 root root      460 Jun  7  2013 hosts.deny
drwxr-xr-x. 5 root root       92 Oct 31 16:42 httpd
lrwxrwxrwx. 1 root root       11 Oct 31 13:32 init.d -> rc.d/init.d
-rw-r--r--. 1 root root      511 Aug  4  2017 inittab
-rw-r--r--. 1 root root      942 Jun  7  2013 inputrc
drwxr-xr-x. 2 root root      140 Oct 31 13:32 iproute2
-rw-r--r--. 1 root root       23 Aug 30  2017 issue
-rw-r--r--. 1 root root       22 Aug 30  2017 issue.net
lrwxrwxrwx. 1 root root        6 Nov  8 16:44 jalebisoft -> jalebi
-rw-r--r--. 1 root root     7265 Oct 31 13:33 kdump.conf
drwxr-xr-x. 3 root root       24 Oct 31 13:33 kernel
-rw-r--r--. 1 root root      590 Apr 29  2017 krb5.conf
drwxr-xr-x. 2 root root        6 Aug  4  2017 krb5.conf.d
-rw-r--r--. 1 root root    18557 Nov  8 11:26 ld.so.cache
-rw-r--r--. 1 root root       28 Feb 28  2013 ld.so.conf
drwxr-xr-x. 2 root root       74 Oct 31 13:33 ld.so.conf.d
-rw-r-----. 1 root root      191 Apr 19  2017 libaudit.conf
drwxr-xr-x. 2 root root       35 Oct 31 13:32 libnl
-rw-r--r--. 1 root root     2391 Oct 13  2013 libuser.conf
```

```
root@localhost:/usr
[root@localhost ~]# ll
total 24
-rw-----. 1 root root 1712 Oct 31 13:35 anaconda-ks.cfg
-rw-r--r--. 3 root root  24 Nov  8 10:52 chole
-rw-r--r--. 1 root root  26 Nov  8 10:51 jalebi
-rw-r--r--. 1 root root  25 Nov  8 10:52 mario
lrwxrwxrwx. 1 root root   5 Nov  8 16:47 mariosoft -> mario
drwxr-xr-x. 3 root root 4096 Nov  8 16:32 nitish45
drwxr-xr-x. 2 root root   6 Oct 31 16:13 repo
drwxr-xr-x. 2 root root  89 Nov  8 10:28 repol
-rw-r--r--. 2 root root  24 Nov  8 10:53 sunio
[root@localhost ~]# cd /mnt
[root@localhost mnt]# ll
total 4
-rw-r--r--. 2 root root 24 Nov  8 10:53 suniohard
[root@localhost mnt]# cd
[root@localhost ~]# cd /usr
[root@localhost usr]# ll
total 88
dr-xr-xr-x.  2 root root 20480 Oct 31 16:48 bin
drwxr-xr-x.  2 root root   6 Nov  5 2016 etc
drwxr-xr-x.  2 root root   6 Nov  5 2016 games
drwxr-xr-x.  3 root root  23 Oct 31 13:32 include
dr-xr-xr-x. 27 root root  4096 Oct 31 13:33 lib
dr-xr-xr-x. 39 root root 20480 Nov  8 11:26 lib64
drwxr-xr-x. 19 root root  4096 Oct 31 16:30 libexec
drwxr-xr-x. 12 root root  131 Oct 31 13:32 local
lrwxrwxrwx.  1 root root   5 Nov  8 16:47 mariosoft -> mario
dr-xr-xr-x.  2 root root 12288 Nov  8 11:26 sbin
drwxr-xr-x. 76 root root  4096 Oct 31 16:42 share
drwxr-xr-x.  4 root root   34 Oct 31 13:32 src
lrwxrwxrwx.  1 root root  10 Oct 31 13:32 tmp -> ../var/tmp
[root@localhost usr]#
```