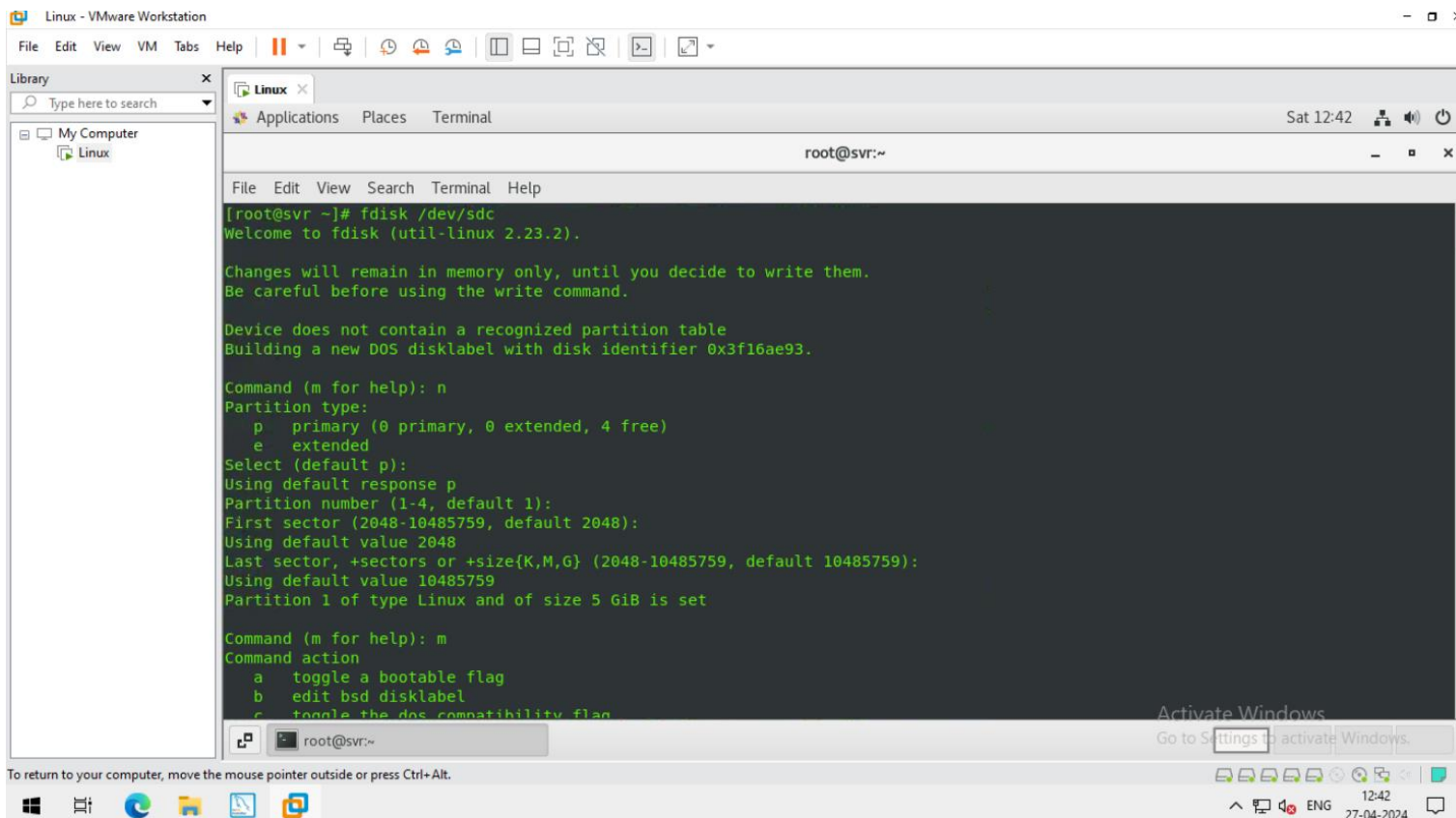


WEEKEND TASK LINUX

1. Attach 3 disks of 5GB each. create 2 LVMs from these disks of 7GB (/lvm1) and 8GB (/lvm2) with XFS and EXT4 file systems respectively. add another hdd of 4GB and extend 2-2GB on both LVMs.



The screenshot shows a terminal window titled 'Linux - VMware Workstation' with the prompt 'root@svr:~'. The user has run 'fdisk /dev/sdc' and is in the fdisk utility. The output shows that the device does not contain a recognized partition table and a new DOS disklabel is being built. The user has selected 'n' for a new partition, 'p' for primary, and '1' for the partition number. The first sector is 2048 and the last sector is 10485759, resulting in a 5 GiB partition of type Linux.

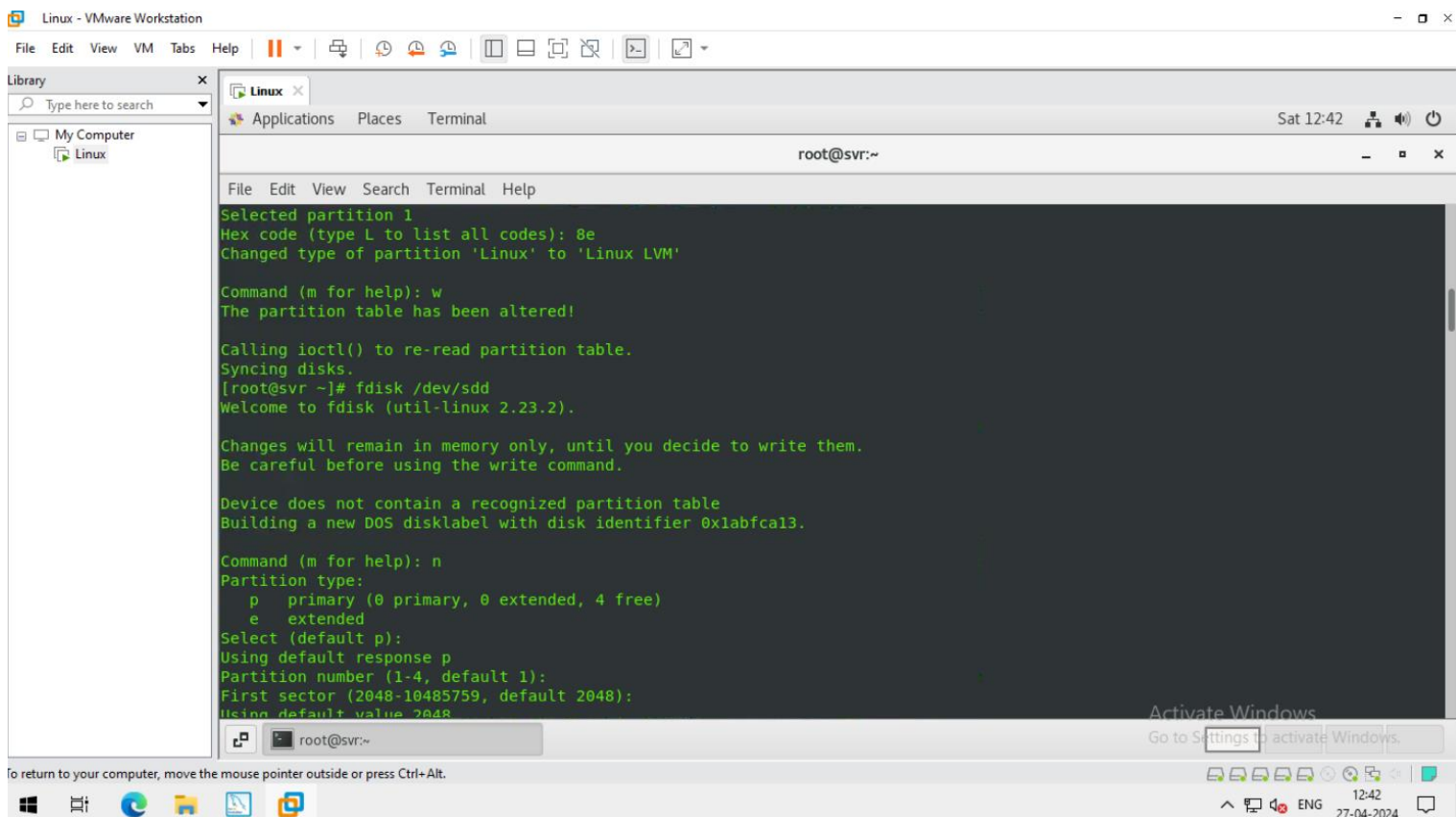
```
[root@svr ~]# fdisk /dev/sdc
Welcome to fdisk (util-linux 2.23.2).

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table
Building a new DOS disklabel with disk identifier 0x3f16ae93.

Command (m for help): n
Partition type:
   p   primary (0 primary, 0 extended, 4 free)
   e   extended
Select (default p):
Using default response p
Partition number (1-4, default 1):
First sector (2048-10485759, default 2048):
Using default value 2048
Last sector, +sectors or +size(K,M,G) (2048-10485759, default 10485759):
Using default value 10485759
Partition 1 of type Linux and of size 5 GiB is set

Command (m for help): m
Command action
   a   toggle a bootable flag
   b   edit bsd disklabel
   c   toggle the dos compatibility flag
```



The screenshot shows the terminal window after the first partition has been converted to LVM. The user has run 't' to toggle the type of partition 'Linux' to 'Linux LVM'. The output shows that the partition table has been altered and the disks are being synced. The user has then run 'fdisk /dev/sdd' and is in the fdisk utility. The output shows that the device does not contain a recognized partition table and a new DOS disklabel is being built. The user has selected 'n' for a new partition, 'p' for primary, and '1' for the partition number. The first sector is 2048 and the last sector is 10485759, resulting in a 5 GiB partition of type Linux.

```
Selected partition 1
Hex code (type L to list all codes): 8e
Changed type of partition 'Linux' to 'Linux LVM'

Command (m for help): w
The partition table has been altered!

Calling ioctl() to re-read partition table.
Syncing disks.
[root@svr ~]# fdisk /dev/sdd
Welcome to fdisk (util-linux 2.23.2).

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table
Building a new DOS disklabel with disk identifier 0x1abfca13.

Command (m for help): n
Partition type:
   p   primary (0 primary, 0 extended, 4 free)
   e   extended
Select (default p):
Using default response p
Partition number (1-4, default 1):
First sector (2048-10485759, default 2048):
Using default value 2048
```

