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SC LAB 4

1.how to find relative or absolute path of any software using command prompt?

```
C:\Users\Devashish>where /R c:\ *.exe |findstr chrome.exe  
c:\Program Files (x86)\Google\Chrome\Application\chrome.exe  
c:\Users\Devashish\AppData\Local\chromium\Application\chrome.exe
```

need to know how many drives are in your machine?

hdd and ssd

how devices connected in your machine?

CMD: Net view

Microsoft DiskPart version 10.0.19041.610

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On computer: DESKTOP-L8UAHHR

DISKPART> List

Microsoft DiskPart version 10.0.19041.610

DISK - Display a list of disks. For example, LIST DISK.
PARTITION - Display a list of partitions on the selected disk.
For example, LIST PARTITION.
VOLUME - Display a list of volumes. For example, LIST VOLUME.
VDISK - Displays a list of virtual disks.

DISKPART> List disk

| Disk ### | Status | Size | Free | Dyn | Gpt |
|----------|--------|--------|---------|-----|-----|
| ----- | ----- | ----- | ----- | --- | --- |
| Disk 0 | Online | 931 GB | 1024 KB | | * |

DISKPART> select disk0

Microsoft DiskPart version 10.0.19041.610

DISK - Shift the focus to a disk. For example, SELECT DISK.
PARTITION - Shift the focus to a partition. For example, SELECT PARTITION.
VOLUME - Shift the focus to a volume. For example, SELECT VOLUME.
VDISK - Shift the focus to a virtual disk. For example, SELECT VDISK.

DISKPART> list partition

There is no disk selected to list partitions.
Select a disk and try again.

DISKPART> select disk 0

Disk 0 is now the selected disk.

DISKPART> list partition

| Partition ### | Type | Size | Offset |
|---------------|----------|--------|---------|
| Partition 1 | Recovery | 529 MB | 1024 KB |
| Partition 2 | System | 100 MB | 530 MB |
| Partition 3 | Reserved | 16 MB | 630 MB |
| Partition 4 | Primary | 637 GB | 646 MB |
| Partition 5 | Primary | 292 GB | 638 GB |

DISKPART> List volume

| Volume ### | Ltr | Label | Fs | Type | Size | Status | Info |
|------------|-----|-------|-------|-----------|--------|----------|--------|
| Volume 0 | D | | | DVD-ROM | 0 B | No Media | |
| Volume 1 | C | | NTFS | Partition | 637 GB | Healthy | Boot |
| Volume 2 | E | deva | NTFS | Partition | 292 GB | Healthy | |
| Volume 3 | | | NTFS | Partition | 529 MB | Healthy | Hidden |
| Volume 4 | | | FAT32 | Partition | 100 MB | Healthy | System |

DISKPART>

how to identify replicated files?

FOR /L %A IN (1 1 50) DO (copy original.txt copy%A.txt)

How to delete replicated files usig command prompt?

sfc/scannow

write file replication code in any language?

```
public static void find(Map<String, List<String>> lists, File dir) {  
    for (File f : dir.listFiles()) {  
        if (f.isDirectory()) {  
            find(lists, f);  
        } else {  
            String hash = f.getName() + f.length();  
            List<String> list = lists.get(hash);  
            if (list == null) {  
                list = new LinkedList<String>();  
                lists.put(hash, list);  
            }  
            list.add(f.getAbsolutePath());  
        }  
    }  
}
```