CSE-2010 Secure Coding Lab-3
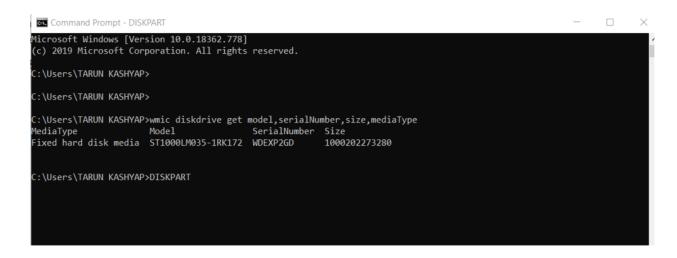
Name :- Tarun Kashyap

Reg. No. :- 18BCD7183

Q> Need to know how many drives are in your machine?

```
Command Prompt - DISKPART                                    —    □    ×

Microsoft Windows [Version 10.0.18362.778]
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C:\Users\TARUN KASHYAP>

C:\Users\TARUN KASHYAP>

C:\Users\TARUN KASHYAP>wmic diskdrive get model,serialNumber,size,mediaType
MediaType              Model               SerialNumber   Size
Fixed hard disk media  ST1000LM035-1RK172  WDEXP2GD        1000202273280


C:\Users\TARUN KASHYAP>DISKPART
```

Q> How to identify replicated files?

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


```
Command Prompt - DISKPART

Microsoft Windows [Version 10.0.18362.778]
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C:\Users\TARUN KASHYAP>Net view
System error 6118 has occurred.

The list of servers for this workgroup is not currently available


C:\Users\TARUN KASHYAP>List
'List' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\TARUN KASHYAP>DISKPART
```

```
On computer: DESKTOP-SQLIOEP

DISKPART> List

Microsoft DiskPart version 10.0.18362.1

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  3072 KB         *

DISKPART> select disk()

Microsoft DiskPart version 10.0.18362.1

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 disk0

Microsoft DiskPart version 10.0.18362.1

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 disk0
```

C:\WINDOWS\system32\diskpart.exe

```
DISKPART> list partition

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

DISKPART> select disk0

Microsoft DiskPart version 10.0.18362.1

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 disk0

Microsoft DiskPart version 10.0.18362.1

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> select disk 0

Disk 0 is now the selected disk.

DISKPART> list partition

  Partition ###  Type              Size     Offset
  -------------  ----------------  -------  -------
  Partition 1    System            650 MB   1024 KB
  Partition 2    Reserved          128 MB   651 MB
  Partition 3    Primary           458 GB   779 MB
  Partition 4    Recovery          914 MB   459 GB
  Partition 5    Primary           458 GB   460 GB
  Partition 6    Recovery          457 MB   918 GB
  Partition 7    Recovery           11 GB   919 GB
  Partition 8    Recovery          1090 MB  930 GB

DISKPART> List volume
```

```
C:\WINDOWS\system32\diskpart.exe

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 disk0

Microsoft DiskPart version 10.0.18362.1

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> select disk 0

Disk 0 is now the selected disk.

DISKPART> list partition

  Partition ###  Type              Size     Offset
  -------------  ----------------  -------  -------
  Partition 1    System             650 MB  1024 KB
  Partition 2    Reserved           128 MB   651 MB
  Partition 3    Primary            458 GB   779 MB
  Partition 4    Recovery           914 MB   459 GB
  Partition 5    Primary            458 GB   460 GB
  Partition 6    Recovery           457 MB   918 GB
  Partition 7    Recovery            11 GB   919 GB
  Partition 8    Recovery          1090 MB   930 GB

DISKPART> List volume

  Volume ###  Ltr  Label        Fs     Type        Size     Status     Info
  ----------  ---  -----------  -----  ----------  -------  ---------  --------
  Volume 0     D                       DVD-ROM        0 B   No Media
  Volume 1     C   OS           NTFS   Partition    458 GB  Healthy    Boot
  Volume 2     E   stark        NTFS   Partition    458 GB  Healthy
  Volume 3         ESP          FAT32  Partition    650 MB  Healthy    System

DISKPART>
```

Q> 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());
```

```
        }
        }
}
```