Secure Coding

Lab 3

18BCN7088
Santhosh M

Diskpart commands

list disk - to show disks
list vdisk - to show virtual disks
list partition - to show partitions
List vol - to show details of partitions

```
 ▄▄▄ Command Prompt - diskpart

Microsoft Windows [Version 10.0.18363.1379]
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C:\Users\santhosh>diskpart

 ▄▄ C:\Windows\system32\diskpart.exe

Microsoft DiskPart version 10.0.18362.1171

Copyright (C) Microsoft Corporation.
On computer: SANTHOSH

DISKPART> list disk

  Disk ###  Status         Size     Free     Dyn  Gpt
  --------  -------------  -------  -------  ---  ---
  Disk 0    Online          931 GB     0 B        *
  Disk 1    Online          238 GB     0 B        *

DISKPART> list vdisk

There are no virtual disks to show.

DISKPART> select disk 0

Disk 0 is now the selected disk.

DISKPART> list partition

  Partition ###  Type              Size     Offset
  -------------  ----------------  -------  -------
  Partition 1    Primary            915 GB  1024 KB
  Partition 2    Recovery            16 GB   915 GB

DISKPART> list vol

  Volume ###  Ltr  Label        Fs     Type        Size     Status     Info
  ----------  ---  -----------  -----  ----------  -------  ---------  --------
  Volume 0    D    Data         NTFS   Partition    915 GB  Healthy
  Volume 1         BIOS_RVY     NTFS   Partition     16 GB  Healthy    Hidden
  Volume 2    C    Windows      NTFS   Partition    237 GB  Healthy    Boot
  Volume 3         SYSTEM       FAT32  Partition    300 MB  Healthy    System
  Volume 4         WinRE tools  NTFS   Partition    900 MB  Healthy    Hidden
```
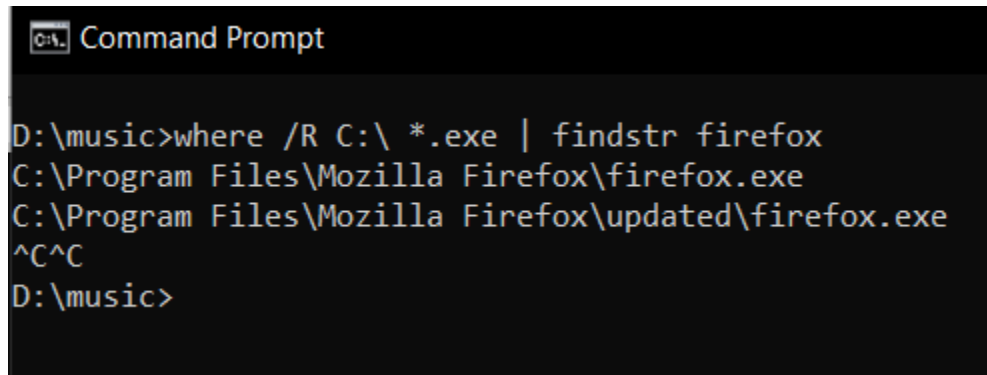
Finding installation location of a software in system

```
Command Prompt

D:\music>where /R C:\ *.exe | findstr firefox
C:\Program Files\Mozilla Firefox\firefox.exe
C:\Program Files\Mozilla Firefox\updated\firefox.exe
^C^C
D:\music>
```

Code to make copies of a file

```java
import java.io.File;
import java.io.FileNotFoundException;
import java.io.FileWriter;
import java.util.Scanner;

public class FileRep
{
public static void main(String[] args) {
    Scanner in = new Scanner(System.in);

    try{
        File ob = new File("D:\\CollegeStuff\\Sem
6\\SC\\Lab\\TEXTFILE.txt");
        Scanner reader = new Scanner(ob);

        while(reader.hasNextLine())
        {
            String data = reader.nextLine();

            for(int i=0;i<50;i++)
            {
                File file = new File("D:\\CollegeStuff\\Sem
6\\SC\\Lab\\TEXTFILE"+(i+1)+".txt");
                if(file.createNewFile())
                {
                    FileWriter file1 = new FileWriter(file);
```

```java
                file1.write(data);
                file1.close();
                System.out.println("File Created: "+file.getName());
            }
        }
    }
    reader.close();
}

catch(Exception e)
{
    e.printStackTrace();
}
}
}
```
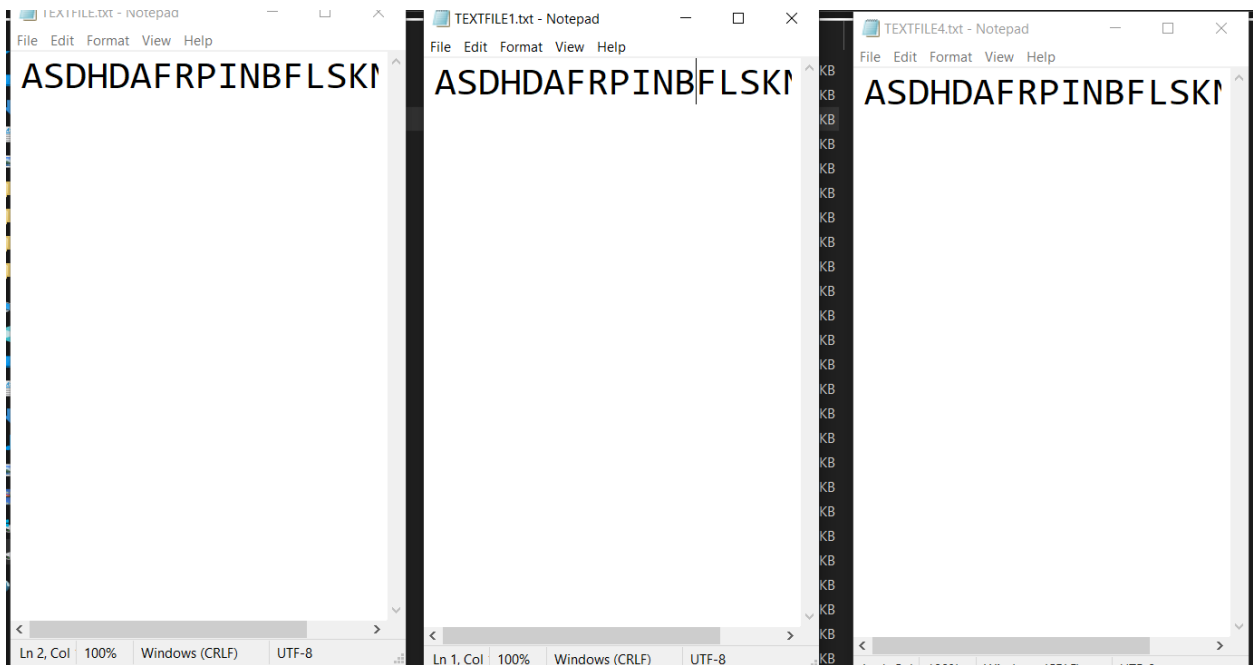
```java
        Scanner in = new Scanner(System.in);

        try{
            File ob = new File("D:\\CollegeStuff\\Sem 6\\SC\\Lab\\TEXTFILE.txt");
            Scanner reader = new Scanner(ob);

            while(reader.hasNextLine())
            {
                String data = reader.nextLine();

                for(int i=0;i<50;i++)
                {
                    File file = new File("D:\\CollegeStuff\\Sem 6\\SC\\Lab\\TEXTFILE"+(i+1)+".txt");
                    if(file.createNewFile())
                    {
                        FileWriter file1 = new FileWriter(file);
                        file1.write(data);
                        file1.close();
                        System.out.println("File Created: "+file.getName());
                    }
                }
            }
        }
```

PROBLEMS 3   OUTPUT   DEBUG CONSOLE   TERMINAL   1: Code

```
File Created: TEXTFILE20.txt
File Created: TEXTFILE21.txt
File Created: TEXTFILE22.txt
File Created: TEXTFILE23.txt
File Created: TEXTFILE24.txt
File Created: TEXTFILE25.txt
File Created: TEXTFILE26.txt
File Created: TEXTFILE27.txt
File Created: TEXTFILE28.txt
File Created: TEXTFILE29.txt
File Created: TEXTFILE30.txt
File Created: TEXTFILE31.txt
File Created: TEXTFILE32.txt
File Created: TEXTFILE33.txt
File Created: TEXTFILE34.txt
```

TEXTFILE.txt - Notepad

File   Edit   Format   View   Help

ASDHDAFRPINBFLSKN

Ln 2, Col   100%   Windows (CRLF)   UTF-8

TEXTFILE1.txt - Notepad

File   Edit   Format   View   Help

ASDHDAFRPINBFLSKN

Ln 1, Col   100%   Windows (CRLF)   UTF-8

TEXTFILE4.txt - Notepad

File   Edit   Format   View   Help

ASDHDAFRPINBFLSKN

Use CMD to create and delete scheduled tasks

```
C:\Users\santhosh>schtasks /create /sc daily /tn "discord" /tr "C:\Users\santhosh\AppData\Local\Discord\Update.exe" /st
01:00
SUCCESS: The scheduled task "discord" has successfully been created.

C:\Users\santhosh>schtasks /change /tn "discord" /st 02:00
Please enter the run as password for santhosh: ************

ERROR: The parameter is incorrect.
(22,8):UserId:
C:\Users\santhosh>schtasks /change /tn "discord" /st 02:00
Please enter the run as password for santhosh: ******

ERROR: The parameter is incorrect.
(22,8):UserId:
C:\Users\santhosh>schtasks /delete /tn "discord"
WARNING: Are you sure you want to remove the task "discord" (Y/N)? y
SUCCESS: The scheduled task "discord" was successfully deleted.

C:\Users\santhosh>schtasks /create /sc weekly /d mon,tue,wed,thu,fri /tn "C:\Users\santhosh\AppData\Local\Discord\Update
.exe --processStart Discord.exe" /st 04:00 /tn "deltask"
ERROR: Invalid syntax. '/tn' option is not allowed more than '1' time(s).
Type "SCHTASKS /CREATE /?" for usage.

C:\Users\santhosh>schtasks /create /sc weekly /d mon,tue,wed,thu,fri /tr "C:\Users\santhosh\AppData\Local\Discord\Update
.exe --processStart Discord.exe" /st 04:00 /tn "deltask"
SUCCESS: The scheduled task "deltask" has successfully been created.

C:\Users\santhosh>schtasks /create /sc weekly /d sat,sun /tr "C:\Users\santhosh\AppData\Local\Discord\Update.exe --proce
ssStart Discord.exe" /st 04:00 /tn "deltask2"
SUCCESS: The scheduled task "deltask2" has successfully been created.

C:\Users\santhosh>
```

(I don't know what it is expecting me to type for "run as password" so i was not able to modify
the time)

Show list and details of scheduled tasks

```
Command Prompt

Microsoft Windows [Version 10.0.18363.1379]
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C:\Users\santhosh>schtasks

Folder: \
TaskName                                 Next Run Time          Status
======================================== ====================== ===============
AdobeAAMUpdater-1.0-MSI-santhosh          21-02-2021 02:00:00    Ready
AdobeGCInvoker-1.0                        21-02-2021 16:57:00    Ready
AMDInstallLauncher                        N/A                    Ready
AMDLinkUpdate                             N/A                    Ready
ModifyLinkUpdate                          N/A                    Ready
NahimicSvc32Run                           N/A                    Ready
NahimicSvc64Run                           N/A                    Ready
NahimicTask32                             N/A                    Running
NahimicTask64                             N/A                    Running
OmApSvcBroker                             N/A                    Running
OneDC_Updater                             21-02-2021 06:00:00    Ready
StartCN                                   N/A                    Ready
StartCNBM                                 N/A                    Ready
StartDVR                                  N/A                    Ready

Folder: \Microsoft
TaskName                                 Next Run Time          Status
======================================== ====================== ===============
INFO: There are no scheduled tasks presently available at your access level.

Folder: \Microsoft\OneCore
TaskName                                 Next Run Time          Status
======================================== ====================== ===============
INFO: There are no scheduled tasks presently available at your access level.

Folder: \Microsoft\VisualStudio
TaskName                                 Next Run Time          Status
======================================== ====================== ===============
INFO: There are no scheduled tasks presently available at your access level.

Folder: \Microsoft\VisualStudio\Updates
TaskName                                 Next Run Time          Status
======================================== ====================== ===============
BackgroundDownload                        N/A                    Ready

Folder: \Microsoft\Windows
TaskName                                 Next Run Time          Status
======================================== ====================== ===============
INFO: There are no scheduled tasks presently available at your access level.
```