PRACTICAL-1

Objective: Make Subdirectory of your name in root directory.

Explanation: This command creates a new directory with the specified name in the G drive's root. We can use md or mkdir to create subdirectory.

Syntax:

```
G:\>md Arohi

G:\>mkdir Agrawal
```

Output:

```
G:\>dir
 Volume in drive G is New Volume
 Volume Serial Number is 863A-32C6

 Directory of G:\

16-01-2024  10:47 AM    <DIR>          Agrawal
13-01-2024  09:04 AM    <DIR>          APPS
16-01-2024  10:47 AM    <DIR>          Arohi
27-12-2023  10:03 PM    <DIR>          CODES
26-12-2023  05:09 PM    <DIR>          GAMES
               0 File(s)              0 bytes
               5 Dir(s)  136,299,667,456 bytes free
```

PRACTICAL-2

Objective: Display Date & Time on screen.

Explanation: This command can set or display the current system date and time on screen.

Syntax of Date:

```
C:\>Date_
```

Output:

```
C:\>Date
The current date is: Thu 01/04/2024
Enter the new date: (mm-dd-yy)
```

Syntax of Time:

```
C:\>Time
```

Output:

```
C:\>Time
The current time is: 18:02:24.73
Enter the new time: _
```

PRACTICAL-3

Objective: Display the structure of root directory.

Explanation: Displays a tree-like structure of the root directory, including all subdirectories and files, sorted by name.

Syntax:

```
C:\>Tree
```

Output:

```
C:.
├──0409
├──AdvancedInstallers
├──AppLocker
├──appraiser
├──ar-SA
├──ASUSACCI
├──bg-BG
├──Boot
│   └──en-US
├──Bthprops
├──ca-ES
├──CatRoot
│   ├──{127D0A1D-4EF2-11D1-8608-00C04FC295EE}
│   └──{F750E6C3-38EE-11D1-85E5-00C04FC295EE}
├──catroot2
│   ├──{127D0A1D-4EF2-11D1-8608-00C04FC295EE}
│   └──{F750E6C3-38EE-11D1-85E5-00C04FC295EE}
├──CodeIntegrity
│   ├──CiPolicies
│   │   ├──Active
│   │   ├──Internal
│   │   └──Staged
│   └──Tokens
│       ├──Active
│       └──Staged
├──Com
│   ├──dmp
│   └──en-US
├──config
│   ├──BFS
│   ├──Journal
│   ├──RegBack
│   ├──systemprofile
│   └──TxR
```

PRACTICAL-4

Objective: Make file "ABC" in subdirectory "Sage".

Explanation: Creates a new file named "ABC.txt" in the "Sage" subdirectory and allows to enter text.

Syntax:

```
C:\>md SAGE

C:\>cd sage

C:\SAGE>echo.>ABC.txt
```

Output:

```
C:\SAGE>dir
 Volume in drive C is OS
 Volume Serial Number is 7EDD-5869

 Directory of C:\SAGE

01/04/2024  06:23 PM    <DIR>             .
01/04/2024  06:23 PM                    2 ABC.txt
               1 File(s)                 2 bytes
               1 Dir(s)  18,435,194,880 bytes free

C:\SAGE>
```

PRACTICAL-5

Objective: Display the content of file "ABC".

Explanation: This command will output the content of the "ABC.txt" file located in the "Sage" subdirectory on the C drive. If the file contains text, we'll see the text displayed in the command prompt.

Syntax:

```
C:\SAGE>type C:\sage\ABC.txt
```

Output:

```
C:\SAGE>type C:\sage\ABC.txt
under file text
```

PRACTICAL-6

Objective: Make subdirectory "MCA" in root directory.

Explanation: This command creates a new directory named "MCA" in the root directory of the C drive.

Syntax:

```
C:\>md MCA
```

Output:

```
C:\>dir
 Volume in drive C is OS
 Volume Serial Number is 7EDD-5869

 Directory of C:\

06/09/2023  07:48 PM    <DIR>          eSupport
01/04/2024  06:34 PM    <DIR>          MCA
09/06/2023  08:01 PM    <DIR>          MinGW
12/14/2023  08:12 PM    <DIR>          Program Files
12/03/2023  08:50 PM    <DIR>          Program Files (x86)
10/08/2023  05:36 PM    <DIR>          Users
12/06/2023  07:30 PM    <DIR>          Windows
09/14/2023  05:09 PM    <DIR>          XboxGames
               0 File(s)              0 bytes
               8 Dir(s)  18,434,441,216 bytes free

C:\>
```

PRACTICAL-7

Objective: Give new name to the file "ABC" as "XYZ".

Explanation: This command renames the file from "ABC.txt" to "XYZ.txt" in the "Sage" subdirectory on the C drive.

Syntax:

```
C:\sage>ren ABC.txt XYZ.txt
```

Output:

```
C:\sage>ren ABC.txt XYZ.txt

C:\sage>dir
 Volume in drive C is OS
 Volume Serial Number is 7EDD-5869

 Directory of C:\sage

01/04/2024  06:40 PM    <DIR>          .
01/04/2024  06:39 PM                 2 XYZ.txt
               1 File(s)              2 bytes
               1 Dir(s)  18,454,200,320 bytes free

C:\sage>
```

PRACTICAL-8

Objective: Display the name of the disk.

Explanation: Displays the disk volume label and serial number. If don't specify a drive, it shows the volume label of the current drive.

Syntax:

```
C:\>vol_
```

Output:

```
C:\>vol
 Volume in drive C is OS
 Volume Serial Number is 7EDD-5869
```

PRACTICAL-9

Objective: Make Subdirectory "BCA" inside subdirectory "Sage".

Explanation: Displays the disk volume label and serial number. If don't specify a drive, it shows the volume label of the current drive.

Syntax:

```
C:\>md C:\sage\BCA
```

Output:

```
C:\>md C:\sage\BCA

C:\>
C:\>dir C:\sage
 Volume in drive C is OS
 Volume Serial Number is 7EDD-5869

 Directory of C:\sage

01/04/2024  06:44 PM    <DIR>          .
01/04/2024  06:44 PM    <DIR>          BCA
01/04/2024  06:39 PM                 2 XYZ.txt
               1 File(s)              2 bytes
               2 Dir(s)  18,452,557,824 bytes free

C:\>
```

PRACTICAL-10

Objective: Remove subdirectory "MCA".

Explanation: The command removes the specified directory, but it will only work if the directory is empty.

Syntax:

```
C:\>rd MCA
```

Output:

```
C:\>rd MCA

C:\>dir
 Volume in drive C is OS
 Volume Serial Number is 7EDD-5869

 Directory of C:\

06/09/2023  07:48 PM    <DIR>          eSupport
09/06/2023  08:01 PM    <DIR>          MinGW
12/14/2023  08:12 PM    <DIR>          Program Files
12/03/2023  08:50 PM    <DIR>          Program Files (x86)
01/04/2024  06:44 PM    <DIR>          sage
10/08/2023  05:36 PM    <DIR>          Users
12/06/2023  07:30 PM    <DIR>          Windows
09/14/2023  05:09 PM    <DIR>          XboxGames
               0 File(s)              0 bytes
               8 Dir(s)  18,451,972,096 bytes free

C:\>_
```

PRACTICAL-11

Objective: Make an extra copy of file "XYZ" in subdirectory "BCA".

Explanation: Copies a file from a source location to a destination location.

Syntax:

```
C:\>copy C:\sage\XYZ.txt C:\sage\BCA\
        1 file(s) copied.
```

Output:

```
C:\>dir c:\sage\BCA
 Volume in drive C is OS
 Volume Serial Number is 7EDD-5869

 Directory of c:\sage\BCA

01/04/2024  06:52 PM    <DIR>          .
01/04/2024  06:44 PM    <DIR>          ..
01/04/2024  06:39 PM                 2 XYZ.txt
               1 File(s)              2 bytes
               2 Dir(s)  18,448,814,080 bytes free

C:\>
```

PRACTICAL-12

Objective: Display those files on screen which are having secondary name as ".c"..

Explanation: Display copies of file from a source location to a destination location. Specifies the directory (C:) and the pattern to match files with a ".c" extension.

Syntax:

```
C:\>dir *.C_
```

Output:

```
C:\>dir *.C
 Volume in drive C is OS
 Volume Serial Number is 7EDD-5869

 Directory of C:\

01/04/2024  07:17 PM                 923 Calculator.c
01/04/2024  07:17 PM                 923 multiplication_table_for_loop.c
               2 File(s)          1,846 bytes
               0 Dir(s)  18,213,793,792 bytes free
```

PRACTICAL-13

Objective: Remove file "xyz" from subdirectory "BCA".

Explanation: Deletes or remove the files.

Syntax:

```
C:\>del C:\sage\BCA\XYZ.txt
```

Output:

```
C:\>dir C:\sage\BCA
 Volume in drive C is OS
 Volume Serial Number is 7EDD-5869

 Directory of C:\sage\BCA

01/04/2024  06:59 PM    <DIR>          .
01/04/2024  06:44 PM    <DIR>          ..
               0 File(s)              0 bytes
               2 Dir(s)  18,446,753,792 bytes free
```

PRACTICAL-14

Objective: Change position of file "ABC" of subdirectory "sage" to root directory.

Explanation: Moves a file or directory from one location to another.

Syntax:

```
C:\>move C:\sage\XYZ.txt C:\
        1 file(s) moved.
```

Output:

```
C:\>dir C:\
 Volume in drive C is OS
 Volume Serial Number is 7EDD-5869

 Directory of C:\

06/09/2023  07:48 PM    <DIR>          eSupport
09/06/2023  08:01 PM    <DIR>          MinGW
12/14/2023  08:12 PM    <DIR>          Program Files
12/03/2023  08:50 PM    <DIR>          Program Files (x86)
01/04/2024  07:04 PM    <DIR>          sage
10/08/2023  05:36 PM    <DIR>          Users
12/06/2023  07:30 PM    <DIR>          Windows
09/14/2023  05:09 PM    <DIR>          XboxGames
01/04/2024  06:39 PM                 2 XYZ.txt
               1 File(s)              2 bytes
               8 Dir(s)  18,446,032,896 bytes free
```

PRACTICAL-15

Objective: Display those file which are having primary name of three characters and secondary name as anything.

Explanation: Lists files and directories in the specified directory that match the given pattern. The ??? wildcard represents any three characters in the primary name, and .* represents any secondary name (file extension).

Syntax:

```
C:\>dir C:\???.*
```

Output:

```
C:\>dir C:\???.*
 Volume in drive C is OS
 Volume Serial Number is 7EDD-5869

 Directory of C:\

01/04/2024  06:39 PM                     2 XYZ.txt
               1 File(s)              2 bytes
               0 Dir(s)  18,445,590,528 bytes free
```