

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 Rahul
G:\>mkdir Verma
```

Output:

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

Directory of G:\

13-01-2024  09:04 AM    <DIR>          APPS
27-12-2023  10:03 PM    <DIR>          CODES
26-12-2023  05:09 PM    <DIR>          GAMES
14-01-2024  07:48 PM    <DIR>          Rahul
14-01-2024  07:48 PM    <DIR>          Verma
               0 File(s)                0 bytes
               5 Dir(s) 136,301,924,352 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
```