SAGE UNIVERSITY

PRACTICAL FILE

Enrollement no.: 23COA2BCA0085

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Subject Code: CAPDCOPS003T

SUBMITTED TO: **SUBMITTED BY:**

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Roll No. :-_____ Year :-_1ˢᵗ Year_ Semester :-_1ˢᵗ Sem._
Subject :- _operating system_ Subject code :-__CAPDCOPS003P__

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2.	Display Date & Time on screen.			
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4.	Make file "ABC" in subdirectory "Sage".			
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6.	Make subdirectory "MCA" in root directory.			
7.	Give new name to the file "ABC" as "XYZ".			
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9.	Make Subdirectory "BCA" inside subdirectory "Sage".			
10.	Remove subdirectory "MCA".			
11.	Make an extra copy of file "XYZ" in subdirectory "BCA".			
12.	Display those files on screen which are having secondary name as ".c".			
13.	Remove file "xyz" from subdirectory "BCA".			
14.	Change position of file "ABC" of subdirectory "sage" to root directory.			
15.	Display those file which are having primary name of three characters and secondary name as anything.			

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
```