

**PRAKTIKUM SISTEM OPERASI**  
**MODUL 4**  
**PENGOLAHAN FILE DAN DIRECTORY**  
**MENGGUNAKAN MS-DOS/COMMAND PROMPT DI WINDOS**



**Disusun Oleh :**  
**MUHAMMAD WAHYU SYAFI'UDDIN**  
**L200210056**

**PROGRAM STUDI TEKNIK INFORMATIKA**  
**FAKULTAS KOMUNIKASI DAN INFORMATIKA**  
**UNIVERSITAS MUHAMMADIYAH SURAKARTA**  
**TAHUN 2021/2022**

## A. Langkah – langkah

1. Buka command prompt (CMD) dan lihat versinya dengan perintah **ver**

```
Command Prompt
Microsoft Windows [Version 10.0.19044.2075]
(c) Microsoft Corporation. All rights reserved.

C:\Users\encry>ver

Microsoft Windows [Version 10.0.19044.2075]

C:\Users\encry>
```

2. Naik ke direktori atas dengan perintah **cd ..** sampai ke Direktori C:\

```
Command Prompt - dir /p

C:\Users\encry>cd ..

C:\Users>cd ..
```

3. Ketik perintah **dir** untuk melihat isi Direktori

```
C:\>dir
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\

05/23/2022  03:31 PM    <DIR>          AMD
02/11/2022  10:21 AM    <DIR>          Logs
12/15/2021  10:55 PM    <DIR>          MSI
09/15/2022  01:12 PM    <DIR>          OS
12/07/2019  04:14 PM    <DIR>          PerfLogs
09/09/2022  07:44 AM    <DIR>          Program Files
09/22/2022  01:13 PM    <DIR>          Program Files (x86)
01/02/2022  07:29 AM    <DIR>          Python27
06/09/2022  11:24 PM    <DIR>          Users
09/23/2022  07:41 PM    <DIR>          Windows
05/03/2022  03:30 PM    <DIR>          xampp
             0 File(s)                0 bytes
            11 Dir(s)  55,087,730,688 bytes free
```

4. Masuk ke direktori windows dengan perintah **cd Windows**

```
0 File(s)
11 Dir(s)  55,087,730,688 bytes free

C:\>cd Windows
```

5. Masukkan perintah **dir /p** untuk melihat isi File perhalaman, untuk lanjut kehalaman berikutnya, dapat menggunakan spasi

```
C:\Windows>dir /p
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\Windows

09/23/2022  07:41 PM  <DIR>          .
09/23/2022  07:41 PM  <DIR>          ..
12/07/2019  04:50 PM  <DIR>          addins
12/17/2021  06:58 AM  <DIR>          appcompat
09/23/2022  07:41 PM  <DIR>          apppatch
10/06/2022  10:47 AM  <DIR>          AppReadiness
05/14/2022  01:36 PM  <DIR>          assembly
09/23/2022  07:41 PM  <DIR>          bcastdvr
12/16/2021  09:39 AM          0 BcdLog.txt
10/06/2021  08:51 PM          81,408 bfsvc.exe
12/07/2019  04:31 PM  <DIR>          Boot
12/07/2019  04:14 PM  <DIR>          Branding
12/21/2021  11:23 AM  <DIR>          c
09/23/2022  06:42 PM  <DIR>          CbsTemp
12/07/2019  04:14 PM  <DIR>          Containers
12/07/2019  04:10 PM          29,857 Core.xml
12/07/2019  04:10 PM          29,857 CoreSingleLanguage.xml
12/15/2021  09:54 PM  <DIR>          CSC
```

6. Masukkan perintah **dir /w** untuk melihat isi Direktori secara mendatar

```
Command Prompt
C:\Windows>dir /w
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\Windows

[.]                [..]
[addins]            [appcompat]
[apppatch]          [AppReadiness]
[assembly]          [bcastdvr]
[BcdLog.txt]        [bfsvc.exe]
[Boot]              [Branding]
[c]                 [CbsTemp]
[Containers]        [Core.xml]
[CoreSingleLanguage.xml]
[Cursors]           [debug]
[diagnostics]       [DiagTrack]
[DigitalLocker]     [DirectX.log]
DPINST.LOG          [DtcInstall.log]
DXError.log         [en-US]
explorer.exe        [Firmware]
```

7. Masukkan perintah **dir /a** untuk melihat semua file, termasuk hidden file

```
Command Prompt
C:\Windows>dir /a
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\Windows

09/23/2022  07:41 PM  <DIR>          .
09/23/2022  07:41 PM  <DIR>          ..
12/07/2019  04:50 PM  <DIR>          addins
12/17/2021  06:58 AM  <DIR>          appcompat
09/23/2022  07:41 PM  <DIR>          apppatch
10/06/2022  10:47 AM  <DIR>          AppReadiness
05/14/2022  01:36 PM  <DIR>          assembly
09/23/2022  07:41 PM  <DIR>          bcastdvr
12/16/2021  09:39 AM          0 BcdLog.txt
10/06/2021  08:51 PM          81,408 bfsvc.exe
12/15/2021  09:53 PM  <DIR>          BitLockerDiscoveryVolumeContents
12/07/2019  04:31 PM  <DIR>          Boot
10/06/2022  12:49 PM          67,584 bootstat.dat
12/07/2019  04:14 PM  <DIR>          Branding
12/21/2021  11:23 AM  <DIR>          c
09/23/2022  06:42 PM  <DIR>          CbsTemp
12/07/2019  04:14 PM  <DIR>          Containers
12/07/2019  04:10 PM          29,857 Core.xml
12/07/2019  04:10 PM          29,857 CoreSingleLanguage.xml
12/15/2021  09:54 PM  <DIR>          CSC
07/23/2022  09:17 PM  <DIR>          Cursors
12/15/2021  10:02 PM  <DIR>          debug
```

8. Buat direktori baru melalui Explorer, dengan nama **files** lalu buat dokumen microsoft word dengan nama **file1**

9. Masuk ke direktori C:\ dan ketik **dir**, lalu masuk ke direktori files dengan **cd files**

```
Command Prompt
C:\>dir
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\

05/23/2022  03:31 PM  <DIR>      AMD
10/06/2022  12:51 PM  <DIR>      files
02/11/2022  10:21 AM  <DIR>      Logs
12/15/2021  10:55 PM  <DIR>      MSI
09/15/2022  01:12 PM  <DIR>      OS
12/07/2019  04:14 PM  <DIR>      PerfLogs
09/09/2022  07:44 AM  <DIR>      Program Files
09/22/2022  01:13 PM  <DIR>      Program Files (x86)
01/02/2022  07:29 AM  <DIR>      Python27
06/09/2022  11:24 PM  <DIR>      Users
09/23/2022  07:41 PM  <DIR>      Windows
05/03/2022  03:30 PM  <DIR>      xampp
               0 File(s)              0 bytes
               12 Dir(s)  55,084,851,200 bytes free

C:\>cd files
```

10. Ketik **dir** lagi untuk melihat isi direktori **files**

```
C:\files>dir
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\files

10/06/2022  12:51 PM  <DIR>      .
10/06/2022  12:51 PM  <DIR>      ..
10/06/2022  12:51 PM              0 file1.docx
               1 File(s)              0 bytes
               2 Dir(s)  55,084,654,592 bytes free
```

11. Masukkan perintah **ren file1.docx file.docx** untuk mengubah nama file

```
C:\files>ren file1.docx file.docx
C:\files>rename file.docx file2.docx
```

12. Dan untuk mengubah nama file juga dapat menggunakan perintah **rename file.docx file2.docx**

```
C:\files>ren file1.docx file.docx
C:\files>rename file.docx file2.docx
```

13. Ketik lagi perintah **dir** dan lihat perubahan dari **file1.docx** menjadi **file2.docx**

```
C:\files>dir
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\files

10/06/2022  12:52 PM  <DIR>      .
10/06/2022  12:52 PM  <DIR>      ..
10/06/2022  12:51 PM              0 file2.docx
               1 File(s)              0 bytes
               2 Dir(s)  55,084,654,592 bytes free

C:\files>
```

14. Buat direktori baru melalui Explorer dengan nama files2

15. Mundur ke direktori C:\ dengan perintah **cd ..**

16. Copy folder dengan perintah **copy C:\files C:\files2**

```
Select Command Prompt

C:\>copy C:\files C:\files2
C:\files\file2.docx
      1 file(s) copied.
```

17. Lalu masuk lagi ke dir files dengan perintah **cd files**

```
C:\>cd files
```

18. Masukkan perintah **copy C:\files\file2.docx D:\** untuk mengcopy file ke drive D:\

```
C:\files>copy C:\files\file2.docx D:\
      1 file(s) copied.
```

19. Masukkan perintah **D:\** untuk masuk ke volume D, dan masukkan perintah **dir** untuk melihat isi file

```
C:\files>D:
D:\>dir
Volume in drive D is Local Disk
Volume Serial Number is 6422-799B

Directory of D:\

08/19/2022  10:36 PM  <DIR>          Archive
07/01/2022  05:27 PM  <DIR>          cek
10/01/2022  06:31 PM  <DIR>          Code
03/28/2022  11:41 AM  <DIR>          deb-WSL
02/21/2022  05:57 PM  <DIR>          Design
05/13/2022  04:34 PM  <DIR>          Desktop
08/28/2022  09:17 AM  <DIR>          Documents
10/04/2022  07:53 AM  <DIR>          Downloads
10/06/2022  12:51 PM             0 file2.docx
07/29/2022  09:22 AM  <DIR>          Fonts
07/25/2022  06:58 PM  <DIR>          Kali-VM
09/09/2021  06:31 AM  <DIR>          laragon
07/25/2022  06:57 PM  <DIR>          Master-Backups
09/08/2022  05:24 PM  <DIR>          Music
03/30/2022  08:10 PM  <DIR>          OS
09/22/2022  09:25 PM  <DIR>          PENT
09/23/2022  09:38 PM  <DIR>          Pictures
08/12/2021  09:54 AM  <DIR>          Rapot
09/14/2022  08:07 PM  <DIR>          Software
08/12/2021  09:54 AM  <DIR>          SPOT
10/03/2022  07:05 PM  <DIR>          Videos
07/25/2022  06:55 PM  <DIR>          Windows Important Files
               1 File(s)             0 bytes
              21 Dir(s) 88,703,438,848 bytes free
```

20. Masukkan perintah **xcopy Desktop D:\baru\ /s/e** untuk mengcopy isi file dan membuat folder baru

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.2075]
(c) Microsoft Corporation. All rights reserved.

D:\>xcopy Desktop D:\baru\ /s/e
Desktop\flag.txt
Desktop\root.txt
2 File(s) copied
```

21. Masuk ke volume D dengan perintah **D:** dan lihat isi direktorinya dengan perintah **dir**

```
D:\>dir
Volume in drive D is Local Disk
Volume Serial Number is 6422-799B

Directory of D:\

08/19/2022  10:36 PM    <DIR>        Archive
10/06/2022  01:00 PM    <DIR>        baru
07/01/2022  05:27 PM    <DIR>        cek
10/01/2022  06:31 PM    <DIR>        Code
03/28/2022  11:41 AM    <DIR>        deb-WSL
02/21/2022  05:57 PM    <DIR>        Design
10/06/2022  12:59 PM    <DIR>        Desktop
08/28/2022  09:17 AM    <DIR>        Documents
10/04/2022  07:53 AM    <DIR>        Downloads
10/06/2022  12:51 PM    0 file2.docx
07/29/2022  09:22 AM    <DIR>        Fonts
07/25/2022  06:58 PM    <DIR>        Kali-VM
09/09/2021  06:31 AM    <DIR>        laragon
07/25/2022  06:57 PM    <DIR>        Master-Backups
09/08/2022  05:24 PM    <DIR>        Music
03/30/2022  08:10 PM    <DIR>        OS
09/22/2022  09:25 PM    <DIR>        PENT
09/23/2022  09:38 PM    <DIR>        Pictures
08/12/2021  09:54 AM    <DIR>        Rapot
09/14/2022  08:07 PM    <DIR>        Software
08/12/2021  09:54 AM    <DIR>        SPOT
10/03/2022  07:05 PM    <DIR>        Videos
07/25/2022  06:55 PM    <DIR>        Windows Important Files
               1 File(s)              0 bytes
               22 Dir(s)  88,703,381,504 bytes free
```

22. Ketik perintah **cd baru** untuk masuk, dan perintah **dir** untuk melihat direktori

```
D:\>cd baru

D:\baru>dir
Volume in drive D is Local Disk
Volume Serial Number is 6422-799B

Directory of D:\baru

10/06/2022  01:00 PM    <DIR>        .
10/06/2022  01:00 PM    <DIR>        ..
10/06/2022  12:59 PM    0 flag.txt
10/06/2022  12:59 PM    0 root.txt
               2 File(s)              0 bytes
               2 Dir(s)  88,703,381,504 bytes free
```



23. Kembali ke drive C dengan perintah **C:**, lalu ketik perintah **md baru** untuk membuat direktori, dan ketik **dir** untuk melihat

```
C:\>md baru
C:\>dir
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\

05/23/2022  03:31 PM    <DIR>          AMD
10/06/2022  01:01 PM    <DIR>          baru
10/06/2022  12:55 PM    <DIR>          files
10/06/2022  12:53 PM    <DIR>          files2
02/11/2022  10:21 AM    <DIR>          Logs
12/15/2021  10:55 PM    <DIR>          MSI
09/15/2022  01:12 PM    <DIR>          OS
12/07/2019  04:14 PM    <DIR>          PerfLogs
09/09/2022  07:44 AM    <DIR>          Program Files
09/22/2022  01:13 PM    <DIR>          Program Files (x86)
01/02/2022  07:29 AM    <DIR>          Python27
06/09/2022  11:24 PM    <DIR>          Users
10/06/2022  12:58 PM    <DIR>          win10
09/23/2022  07:41 PM    <DIR>          Windows
05/03/2022  03:30 PM    <DIR>          xampp
               0 File(s)                0 bytes
             15 Dir(s)  55,086,198,784 bytes free
```

24. Ketik perintah **rd baru** untuk menghapus direktori, dan ketik perintah **dir** untuk melihat isi direktori C:\, dan direktori baru sudah terhapus

```
C:\>rd baru
C:\>dir
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\

05/23/2022  03:31 PM    <DIR>          AMD
10/06/2022  12:55 PM    <DIR>          files
10/06/2022  12:53 PM    <DIR>          files2
02/11/2022  10:21 AM    <DIR>          Logs
12/15/2021  10:55 PM    <DIR>          MSI
09/15/2022  01:12 PM    <DIR>          OS
12/07/2019  04:14 PM    <DIR>          PerfLogs
09/09/2022  07:44 AM    <DIR>          Program Files
09/22/2022  01:13 PM    <DIR>          Program Files (x86)
01/02/2022  07:29 AM    <DIR>          Python27
06/09/2022  11:24 PM    <DIR>          Users
10/06/2022  12:58 PM    <DIR>          win10
09/23/2022  07:41 PM    <DIR>          Windows
05/03/2022  03:30 PM    <DIR>          xampp
               0 File(s)                0 bytes
             14 Dir(s)  55,086,198,784 bytes free
```

25. Lalu ketik perintah **mkdir baru1** untuk membuat direktori

```
C:\>mkdir baru1
C:\>
```

26. Gunakan perintah **dir** untuk melihat isi direktori

```
C:\>dir
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\

05/23/2022  03:31 PM    <DIR>          AMD
10/06/2022  01:02 PM    <DIR>          baru1
10/06/2022  12:55 PM    <DIR>          files
10/06/2022  12:53 PM    <DIR>          files2
02/11/2022  10:21 AM    <DIR>          Logs
12/15/2021  10:55 PM    <DIR>          MSI
09/15/2022  01:12 PM    <DIR>          OS
12/07/2019  04:14 PM    <DIR>          PerfLogs
09/09/2022  07:44 AM    <DIR>          Program Files
09/22/2022  01:13 PM    <DIR>          Program Files (x86)
01/02/2022  07:29 AM    <DIR>          Python27
06/09/2022  11:24 PM    <DIR>          Users
10/06/2022  12:58 PM    <DIR>          win10
09/23/2022  07:41 PM    <DIR>          Windows
05/03/2022  03:30 PM    <DIR>          xampp
               0 File(s)                0 bytes
             15 Dir(s)  55,085,576,192 bytes free
```

27. Ketik perintah **rmdir baru1** untuk menghapus direktori

```
C:\>rmdir baru1
```

28. Ketik lagi **dir** untuk memastikan direktori baru1 terhapus

```
C:\>dir
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\

05/23/2022  03:31 PM  <DIR>      AMD
10/06/2022  12:55 PM  <DIR>      files
10/06/2022  12:53 PM  <DIR>      files2
02/11/2022  10:21 AM  <DIR>      logs
12/15/2021  10:55 PM  <DIR>      MSI
09/15/2022  01:12 PM  <DIR>      OS
12/07/2019  04:14 PM  <DIR>      Perflogs
09/09/2022  07:44 AM  <DIR>      Program Files
09/22/2022  01:13 PM  <DIR>      Program Files (x86)
01/02/2022  07:29 AM  <DIR>      Python27
06/09/2022  11:24 PM  <DIR>      Users
10/06/2022  12:58 PM  <DIR>      win10
09/23/2022  07:41 PM  <DIR>      windows
05/03/2022  03:30 PM  <DIR>      xampp
               0 File(s)                0 bytes
              14 Dir(s) 55,085,576,192 bytes free
```

29. Ketik perintah **md \komputer** untuk membuat direktori pada root dir

```
C:\>md \komputer
```

30. Pastikan direktori komputer telah dibuat dengan perintah **dir**

```
C:\>dir
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\

05/23/2022  03:31 PM  <DIR>      AMD
10/06/2022  12:55 PM  <DIR>      files
10/06/2022  12:53 PM  <DIR>      files2
```

31. Ketik perintah **md \files\film** untuk membuat direktori film didalam direktori files

```
C:\>md \files\film
```

32. Masuk ke direktori files dengan perintah **cd files** dan cek isinya dengan **dir**

```
C:\>cd files
C:\files>dir
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\files

10/06/2022  01:03 PM  <DIR>      .
10/06/2022  01:03 PM  <DIR>      ..
10/06/2022  01:03 PM  <DIR>      film
               0 File(s)                0 bytes
               3 Dir(s) 55,084,384,256 bytes free
```

33. Buat microsoft document file dengan nama pindah.doc di direktori files/baru

34. Buat lagi file pindah.txt



35. Ketik perintah **move C:\files\baru\pindah.doc c:\files2** untuk memindah

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.2075]
(c) Microsoft Corporation. All rights reserved.

C:\>move \files\baru\pindah.doc c:\files2
1 file(s) moved.
```

36. Ketik perintah **move C:\files\baru\pindah.txt c:\files2** untuk memindah

```
C:\>move c:\files\baru\pindah.txt c:\files2
1 file(s) moved.
```

37. Masuk ke direktori files2 dengan perintah **cd \files2**, dan lihat isinya dengan perintah **dir**

```
C:\files2>dir
Volume in drive C has no label.
Volume Serial Number is A018-BBE3

Directory of C:\files2

10/06/2022  01:06 PM    <DIR>          .
10/06/2022  01:06 PM    <DIR>          ..
10/06/2022  12:51 PM                0 file2.docx
10/06/2022  01:04 PM                0 pindah.doc
10/06/2022  01:04 PM                0 pindah.txt
               3 File(s)                0 bytes
               2 Dir(s)  55,082,205,184 bytes free
```

38. Kembali ke root dir dengan perintah **cd ..** dan ketik **tree c:\files** untuk melihat struktur file dan direktori

```
C:\files2>cd ..
C:\>tree c:\files
Folder PATH listing
Volume serial number is A018-BBE3
C:\FILES
|
|_ baru
|_ film
```

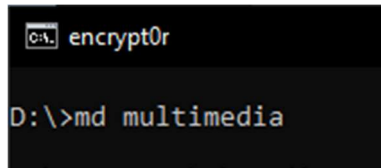
39. Ketik perintah **tree c:\Windows** untuk melihat struktur files dan direktori di dalam folder Windows

```
C:\Windows\System32\cmd.exe

C:\>tree c:\Windows
Folder PATH listing
Volume serial number is 00000074 A018:BBE3
C:\WINDOWS
|_ addins
|_ appcompat
|   |_ appraiser
|       |_ AltData
|       |_ Telemetry
|   |_ encapsulation
|   |_ UA
|_ apppatch
|   |_ AppPatch64
|   |_ Custom
|       |_ Custom64
```

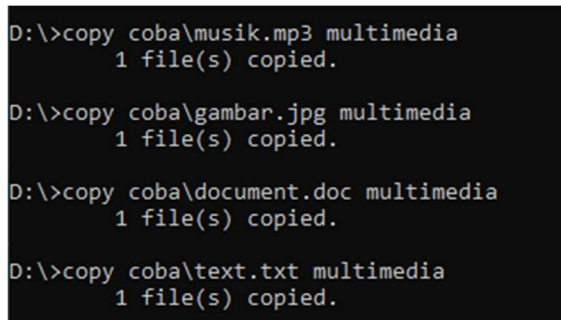
## B. Tugas

1. Buatlah sebuah Direktori/folder yang bernama multimedia di drive D
2. Copykan 1 buah file musik(.mp3), gambar(.jpg), document(.doc), teks(.txt) kedalam folder multimedia
3. Langkah – langkah :
  - a. Membuat direktori dengan **md multimedia**



```
C:\> encrypt0r
D:\>md multimedia
```

- b. Memindahkan file dari direktori coba ke direktori multimedia dengan perintah **copy coba\musik.mp3 multimedia**, dst sampai ke-4 file pindah



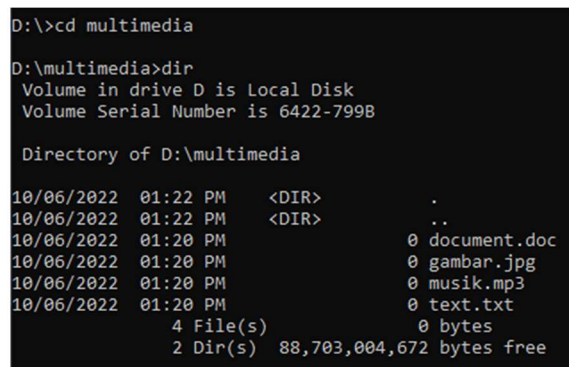
```
D:\>copy coba\musik.mp3 multimedia
1 file(s) copied.

D:\>copy coba\gambar.jpg multimedia
1 file(s) copied.

D:\>copy coba\document.doc multimedia
1 file(s) copied.

D:\>copy coba\text.txt multimedia
1 file(s) copied.
```

- c. Masuk ke direktori multimedia, dan ketik perintah **dir** untuk melihat isi direktori multimedia



```
D:\>cd multimedia

D:\multimedia>dir
Volume in drive D is Local Disk
Volume Serial Number is 6422-799B

Directory of D:\multimedia

10/06/2022  01:22 PM  <DIR>          .
10/06/2022  01:22 PM  <DIR>          ..
10/06/2022  01:20 PM                0 document.doc
10/06/2022  01:20 PM                0 gambar.jpg
10/06/2022  01:20 PM                0 musik.mp3
10/06/2022  01:20 PM                0 text.txt
               4 File(s)                0 bytes
               2 Dir(s)  88,703,004,672 bytes free
```