Chapter 1:

* 1. Configure your computer:

+”upper arrow”: take command from buffer(buffer save 4 by default)

+”esc”: Clear line

+”CMD”: Create new command-process use their own buffer or you can call back the second command-process

+”EXIT”: Delete the second command-process and back to the first one

+”SET”: Display all environment variable and value

+”SET *variable\_name”:* Display individual environment variable and value

+”SET *variable\_name=value”:* Create a new individual environment variable, change value if it exists

+”SET *variable\_name= %variable\_name%;value*”:Expand the current environment variable content and add it to the end of the variable

+”SET *variable\_name= value; %variable\_name%*”:Expand the current environment variable content and add it to the beginning of the variable

+”SET *variable\_name= equation(*ex:2\*3*)*”: place precise value in variable environment (var\_name=2\*3)

+”SET /A *variable\_name= equation(*ex:2\*3*)*”: place precise value in variable environment (var\_name=6)

+”SET /P *variable\_name= “type some thing: ”*”: place precise value in variable environment by user Input, Press enter and type

+”SETX *variable\_name value*”: Create permanent user environment variable

+”SETX /M *variable\_name value*”: Create permanent system environment variable

+”CLS” : Clear screen

+”VER”: Show the OS version

+”START VER”: Run VER command in a new separate window

+”START *application”*: Start an application (ex: START: Notepad)

+”START /WAIT *application”*: Start an application and wait until it closes

+”START /MIN *application”*: Start an application with min screen

+”START /MAX *application”*: Start an application with full screen

+”SC QUERY *service\_device*”: Show the service type, running, state, flag, support command

+”SC QDESCRIPTION *service\_device”:* Show the service description

+”SC QC *service\_device*”: Show the configuration for a service

+”SC [option] *service\_device*”:

[START]: Start service device

[PAUSE]: Pause service device

[CONTINUE]: Continue service device

[STOP]: Stop service device

+”SHUTDOWN [option]”:

[\L]: logoff

[/S]: shutdown after 30s

[/R]: close all and restart normally

[/G]: reopen all the application when reopen

Chapter 4: working with file and directory

+”DIR /AD *directory*”: List all the folder in the directory

+”DIR /AD /S *directory* | MORE”:List all the folder and their children in command prompt

+”DIR /AD /S *directory >* WindowsTree.txt”:List all the folder and their children in file WindowsTree.txt

+”DIR *DirName* /S /B*”*: Listing of any files in the directory you want to remove.

+”CD” or “CHDIR”: View current directory

+”CD > *text.txt* ”: View current directory in text.txt file

+”CD *NewDirectory*” or “CHDIR *NewDirectory* ”: Move to new directory

+”CD ..”: Move to parent directory (1 step)

+”CD ..\..”: Move to parent directory (2 step)

+”MD *NewDirectory*” or “MKDIR *NewDirectory*” : Create new directory(folder) as current’s child

+”MOVE *OriginalPath NewPath”*: Move the current path to the new path(ex:Move folder C:\Users\Admin\source: Move folder in current directory to the C:\Users\Admin\source)

+”MOVE *OriginalName NewName”*: Change the name of the folder

+”RD *Dirname*” or “RMDIR *Dirname*”: Remove the directory

+”DEL *DirName* /S /Q: Delete all the non-direct file in the *DirName* without asking

+”RD *DirName*  /S /Q: Delete all the directory and also the *DirName* without asking

+”DIR *DirName* /S /Q”: List all the directory in the *DirName*

*+*”TREE *DirName”*: Show an ASCII Graphics represent the structure in the *DirName*

*\**DIR command extend to find the directory of a *FileName*:

“DIR [option] *FileName*”: DISPLAY INFO

[null]: Display where the file is AND time born, name,

[/S]: Display file with directory and all subdirectory

[/B]: Display file with directory without subdirectory

[/P]: familiar to [null] but pause if a screenful of information

[/Q]: Display the owner of the file

[/R]: If you want to see the alter stream in a file(???)

[/W]: List only the file name

“DIR [option] *FileName*”: DISPLAY INFO IN ORDER

/OD: Sort in date/time (oldest first)

/OE: Extension Alphabet sorted

/OG: Place directory first in sort order

/ON: Alphabet sorted

/OS: Sorted by size(increasing)

/O-: Reverse previous sorting order

“DIR [option][option][option]”: multi order desired effect

“DIR [option] *FileName”*: Find file by attributed

/AA: Locates file that are ready for archiving

/AD: Locates directory entries

/AH: Locates hidden files

/AI: Displays files that aren’t indexed for use

/AR: Locates read-only files

/AS: Locates system files

+“COPY [option] *SourceFile DestinationFile*”: copy specialize file(not folder) to a new directory

[/V]: ensure the copy process is verified

[/D]: Decrypt the file when process if the source file is encrypt

[/Y]: Suppress overwrite message

+“XCOPY [option] *SourceFile DestinationFile*”: move all the non-folder file to the new directory

[/V]: ensure the copy process is verified

[/M]: Copy file which already achieve bit set

[/D:m-d-y]: copy all the file create after month-day-year

[/S]: copy all the file in subdirectories and all the file in the source directory

[/C]: continue copy all the file, even if an error occur

[/Q]: hide the name of the file copied

[/G]: copy an encrypt file to a directory doesn’t support for the encrypt

[/H]: copy all the hidden and system file

[/O]: copy files with full ownership and access control list

+“DEL *FileName*” or “ERASE *FileName*”: Delete file without moving it to recycle bin

+“MOVE *FileName Target*”: Move the file to the Target directory

+”REN *originalName NewName”*: Rename file

+”ASSOC *FileExtension*”: check the extension relate with that file(ex: ASSOC .txt)

+”ASSOC *FileExtension=FileType*”: Create a new file association

+“FTYPE *FileType*”: determine file type, where this file is

+“FTYPE *FileType=OpenCommandString*”: Create new file type

+”FSUTIL HARDLINK CREATE *NewLink Original file”*: Create hard link between two file

+”FSUTIL HARDLINK LIST *FileName*”: view the hard link to the file name

+”DEL *FileName” or “ERASE FileName”*: remove hardlink of the file name

+”MKLINK /H *NewLink Original file* ”:Create hard link between two file(optional)

+”MKLINK *NewLink Target* ”:create symbolic link file

+”MKLINK /D *NewLink Target* ”:create symbolic link directory

+”MKLINK /J *NewLink Target* ”:create junction link (soft link) for directory and file

Chapter 5: Administering File and Directory Content

+”PATH”: View the current path

+”PATH=*DirectoryPath;*%Path%;”: Add a new directory to the begging of the list

+”PATH=%Path%*DirectoryPath;*”: Add a new directory to the end of the list

\*Find utility

+”FIND [option] “*FindString*” *FileSpecification*(ex: \*.txt)*”*: List all the file have similar file specification and the matching

[/I]: Like default

[/C]: List the file and the number of matching string

\*Complex search:

+ “FINDSTR [option] “*FindString*” *FileSpecification*(ex: \*.txt)*”*:Find the complex string with the find string:

“*FindString*”: “a\*b”: Find the file that has word that begin by “a” and end by “b”

“*FindString*”: “Hello World”: Find the file that contain “Hello” or “World” or both

“/C: *FindString*”: “/C: Hello World”: Find the file that contain “Hello” and “World”

“*FindString*”: “^Hello $World”: Find the file that contain the line begin by “Hello” and end by “World”

“/M *FindString*”:…: List the name of file contain the find string

“/S *FindString*”:…: List the name of file contain the find string with all the directory of the find string

“/I /C *FindString*”:…: List the name of file contain the find string with all the directory of the find string no mater what capable or not

+“TYPE *FileName*”: Display the content of a file

+”DIR *FileSpecification > FileName*”: Replace the content in the file name with the result of dir command (Create If don’t exist)

+”DIR *FileSpecification >> FileName*”: Add the result of the dir command to the file name

+”SORT /+13 *FileSpecification << FileName*”: Use the file name as an input for the command the result of the dir command to the file name

Chapter 6: Managing the hard drive

+“COMPACT [option] *Object*”: Compress an object (file or directory)(ex: **Compact /C /S /I C:\MyDir\\*.\***)

[/C]: Compress the root of the directory

[/S]: Compress an entry directory tree (line switch go with /C) or list the status of the directory if stand alone

[/I]: Ignore error (line switch)

[/U]: Uncompress the root of the directory

[null]: list the compress file

+”VOL”: Show the volume information

+“FORMAT /Q *DriveLetter*”: Perform quick format of the drive

+”MOUNT”: List the volume

+”DOTNET NEW CONSOLE -o *FolderName*”: Create folder and cs file

+”DOTNET STORE”: Store specialize assemble in runtime package

+”DOTNET RUN”: Running cs file