

## Module 1-- 1.1

**Notebook:** Module 1\_note

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### DOS command

- change the hard drive dictionary: C: d: e:
    - this is not case sensitive
  - show details : dir
  - change the current dictionary: cd
    - here, . is the current dictionary, .. is the last-layer dictionary.
  - clear in cmd window: clr
  - The arrows here could direct you to the last command or next
  - Tab would fill the file names out.
  - make a folder: md + filename
  - delete a folder: rd + filename
  - copy the folder: copy [filename] [target folder\filename]
  - delete the files: delete [filename] this will delete the file
    - delete[folder name] this will empty the folder.
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### Methods to open the cmd window

1. SHIFT+RIGHT\_CLICK to open PowerShell in the folder
2. In the dictionary line, input "cmd" and press ENTER"
3. "win + R" ---cmd

Java source code has to be in the same folder with javac.exe Usually in Bins.  
Then java would run the files with exp name \* class

### The procedure to run a java code.

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- ☐ create the source code with the exp \*.java
  - ☐ call javac.exe to interpret/run the source code and get the output with exp \*.class
  - ☐ call java.exe to implement the class file into Windows/Mac/Linux
- The reason why JAVA could run under different systems is that java.exe could interpret the class file into different files under the three systems.
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To **run Notepad+ +.exe/javac.exe/java.exe under any dictionary**, you need to configure the environment variables----path.

- ☐ Open This PC/ Control Panel/ System and Security/System, and click the Advanced system settings
- ☐ click the environmental variables
- ☐ Add the dictionary of the program (.exe file) as new path in the path list

☐ re-open the DOS window to examine

Path, an environmental variable, would leave the program in a white list. Once you try to open a file in cmd window, system would search in the current folder at first. And the programs in "this white list" as well.

### !!!Very important

While running the \*.class file, plz do not add .class in the cmd window. Otherwise, it is not operate-able.

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For a programmer, the manners:  
right before programming, put

- project name
- project function
- author
- employment
- note

as the notation or cover of the codes.

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### Shortcuts

ctrl + z undo

ctrl + f search

ctrl + shift change the input keyboard; shift could change between Chinese and English.

windows+d back to desktop

windows + e open the computer

windows + l lock the screen

wind + r then cmd would open the dos window

wind + tab would shift between the windows

alt+tab would change the tasks

ctrl + alt + delete would open the task manager to better deal with the circumstances of "not responding"

### Note/Notation

// one line notation

/\* \*/ multiple lines as notation

/\*\* \*/ this is the text notation

!!!

Do not use multiple line notation twice. Subset is not allowable.

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### Benefits of JAVA:

JAVA can work under different systems because of JVM (java virtual machine).----- write once, implement everywhere.