

Command Shells

So far in this module the following shells were explored and referenced in the course material.

- Windows command prompt¹⁾
- Windows Powershell²⁾
- Commander (cmdr)³⁾
- Anaconda Prompt⁴⁾
- Linux Bash Shell for Windows 10⁵⁾

The merits of each are discussed at length in the referenced articles. The bottom line for any of these is to understand the basics on how they all operate and whatever environment is chosen that the path variables that each contains includes the tools required from the commands issues in the shells.

For example, if inside any of the shells and you issue a git command for example, the path to the git executable should be in the path variable that the shell will search for the git executable.

For example, issuing the command path in windows command shell you will see an output similar to this:

```
C:\>path
PATH=C:\ProgramData\Anaconda3;C:\ProgramData\Anaconda3\Library\mingw-
w64\bin;C:\ProgramData\Anaconda3\Library\usr\bin;C:\ProgramData\Anaconda3\Library\bin;C:\Progra
mData\Anaconda3\Scripts;C:\windows\System32\WindowsPowerShell\v1.0\;C:\Program
Files\cmdr_mini\;C:\Program Files (x86)\Git\cmd;C:\Program Files
(x86)\Git\mingw32\bin;C:\Program Files
(x86)\Git\usr\bin;C:\WINDOWS\System32\WindowsPowerShell\v1.0\;C:\Program Files\Microsoft VS
Code\bin;
```

Path	
C:\ProgramData\Anaconda3	
C:\ProgramData\Anaconda3\Library\mingw-w64\bin	
C:\ProgramData\Anaconda3\Library\usr\bin	
C:\ProgramData\Anaconda3\Library\bin	
C:\ProgramData\Anaconda3\Scripts	
C:\windows\System32\WindowsPowerShell\v1.0\	
C:\Program Files\cmdr_mini\	
C:\Program Files (x86)\Git\cmd	
C:\Program Files (x86)\Git\mingw32\bin	Look here for the 'git' command
C:\Program Files (x86)\Git\usr\bin	
C:\WINDOWS\System32\WindowsPowerShell\v1.0\	
C:\Program Files\Microsoft VS Code\bin	

So in order to be bale to execute 'git' in the shell the get.exe needs to be found in the path variable.

1)

<https://www.digitaltrends.com/computing/how-to-use-command-prompt/>

2)

<https://www.digitalcitizen.life/simple-questions-what-powershell-what-can-you-do-it>

3)

<http://cmdr.net/>

4)

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help:developer_tools:command

http://www.hdip-data-analytics.com/help/developer_tools/command

<https://www.quora.com/How-do-I-start-the-anaconda-command-prompt>

5)

<https://www.howtogeek.com/249966/how-to-install-and-use-the-linux-bash-shell-on-windows-10/>

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