

What is a CLI?

CLI vs GUI

Shell: Outer layer of computer operating system

Browse filesystem, create and delete new files, etc

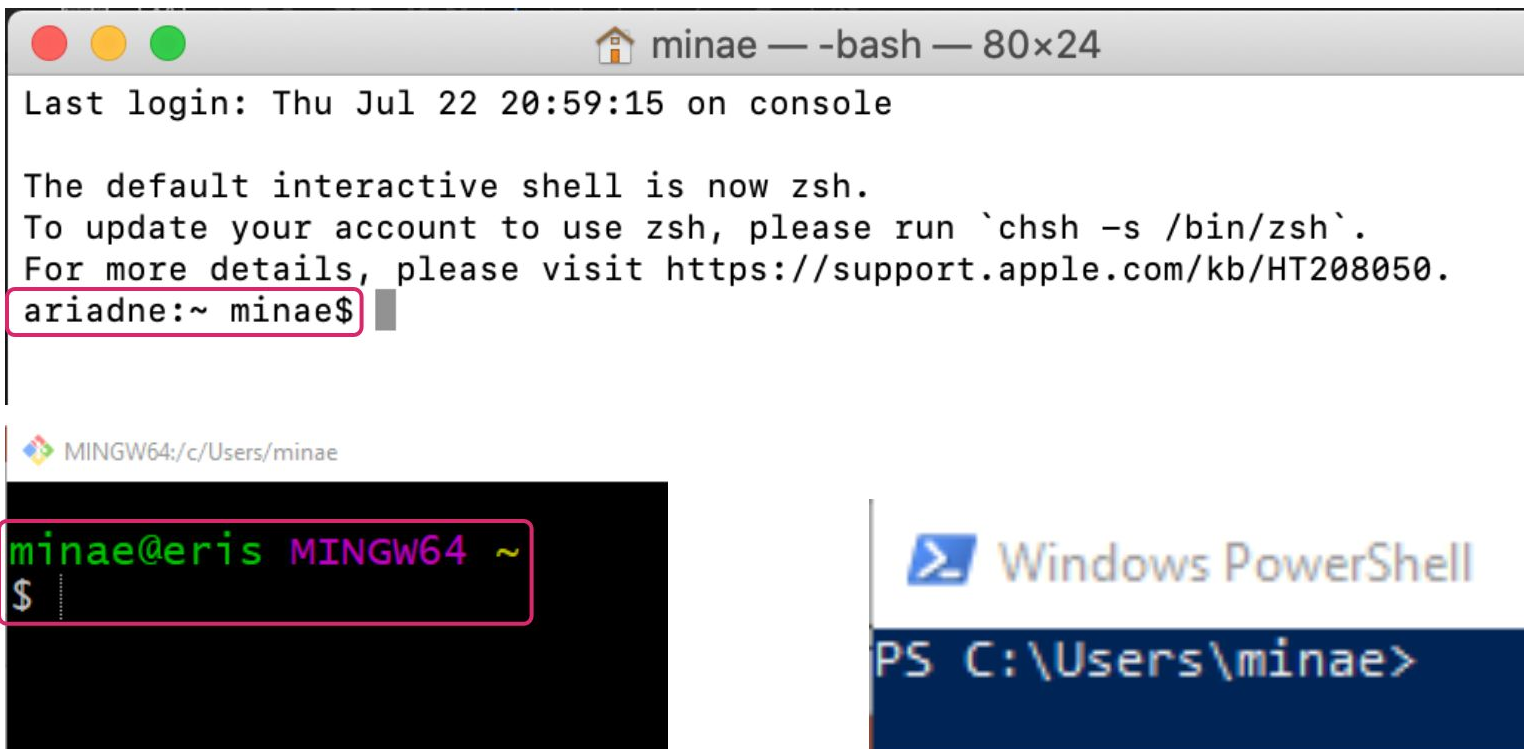
Graphical shells (GUIs) and text-based shells (CLIs)

GUIs – macOS, Windows, Gnome, etc

CLIs – DOS, Windows Command Prompt, zsh, bash

Many developer tools are only accessed via CLI

bash - Bourne Again Shell

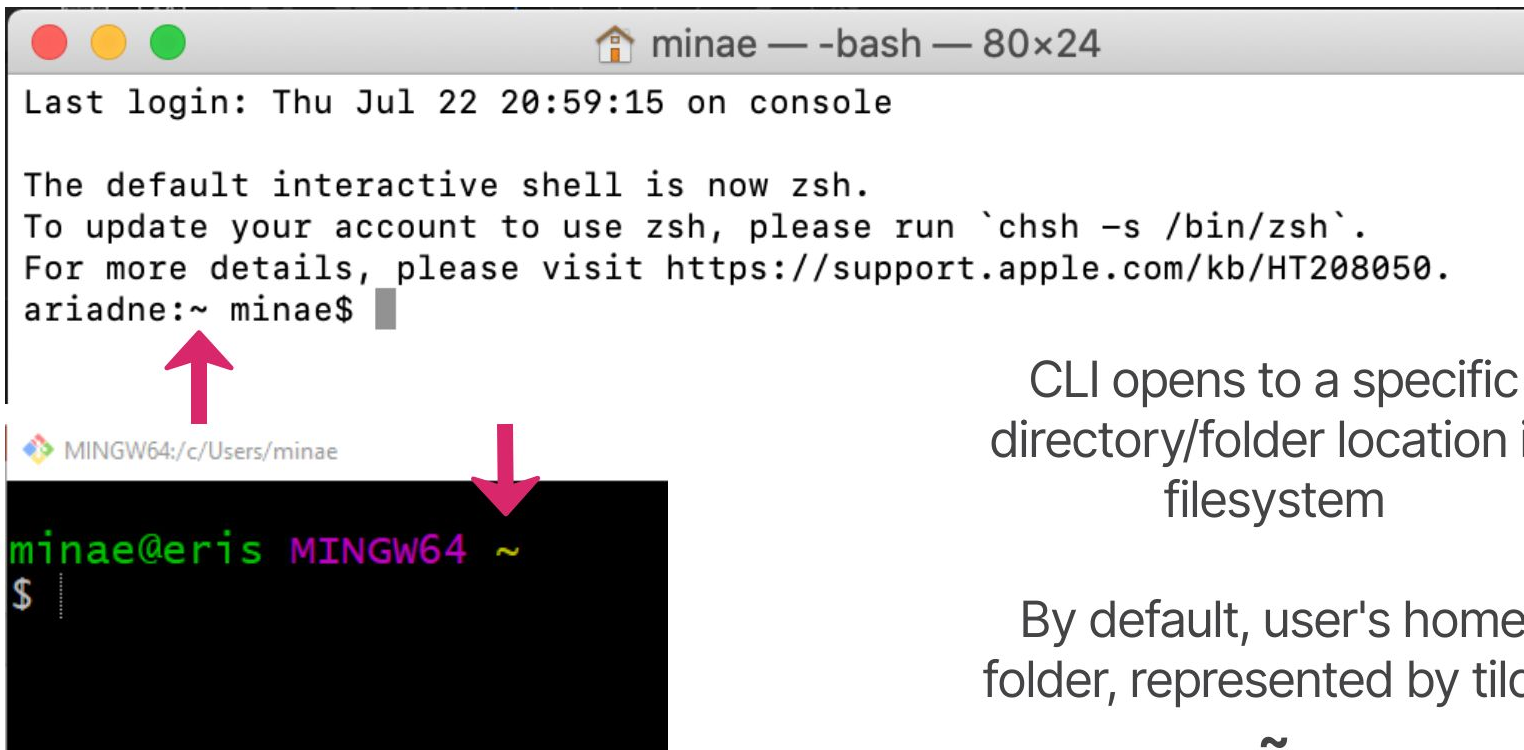


The image shows a terminal window titled 'minae — -bash — 80x24'. The window contains the following text: 'Last login: Thu Jul 22 20:59:15 on console', 'The default interactive shell is now zsh.', 'To update your account to use zsh, please run `chsh -s /bin/zsh`.', and 'For more details, please visit <https://support.apple.com/kb/HT208050>.' The prompt 'ariadne:~ minae\$' is highlighted with a red box. Below the terminal window, there is a Windows PowerShell window titled 'Windows PowerShell' with the prompt 'PS C:\Users\minae>'.

```
ariadne:~ minae$
```

```
PS C:\Users\minae>
```

Where are we?



The image shows a terminal window with a macOS-style title bar. The title bar text is 'minae — -bash — 80x24'. The terminal content includes: 'Last login: Thu Jul 22 20:59:15 on console', 'The default interactive shell is now zsh.', 'To update your account to use zsh, please run `chsh -s /bin/zsh`.', 'For more details, please visit <https://support.apple.com/kb/HT208050>.', and the prompt 'ariadne:~ minae\$'. A pink arrow points from the tilde '~' in the prompt to a Windows command prompt window below. The Windows window title is 'MINGW64:/c/Users/minae'. The prompt in the Windows window is 'minae@eris MINGW64 ~' with a dollar sign '\$' on the next line. Another pink arrow points from the tilde '~' in the Windows prompt to the text 'By default, user's home folder, represented by tilde'.

```
Last login: Thu Jul 22 20:59:15 on console

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
ariadne:~ minae$
```

↑

MINGW64:/c/Users/minae

```
minae@eris MINGW64 ~
$
```

↓

By default, user's home folder, represented by tilde

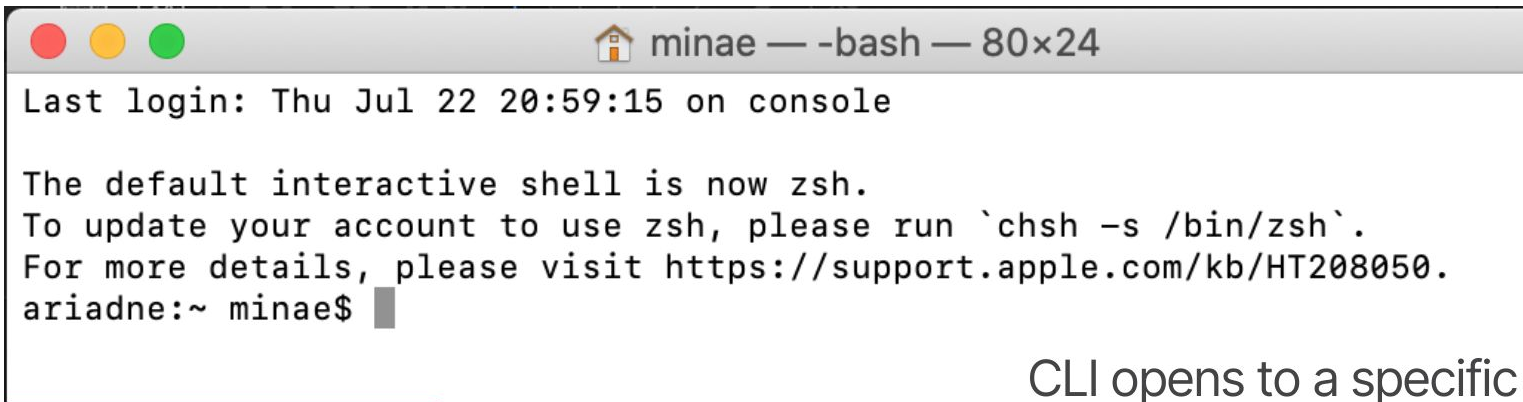
~

CLI opens to a specific
directory/folder location in
filesystem

By default, user's home
folder, represented by tilde

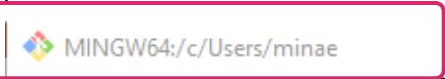
~

Where are we?

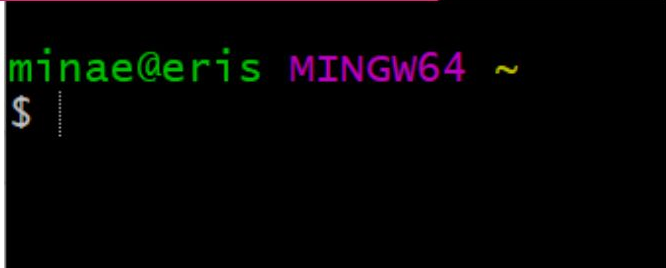


```
minae — -bash — 80x24
Last login: Thu Jul 22 20:59:15 on console

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
ariadne:~ minae$
```



```
MINGW64:/c/Users/minae
```



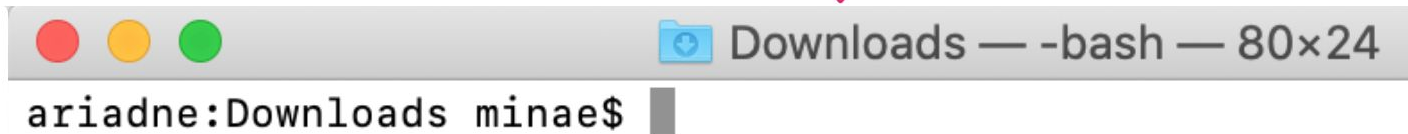
```
minae@eris MINGW64 ~
$
```

CLI opens to a specific
directory/folder location in
filesystem

By default, user's home
folder, represented by tilde

~

Where are we?



A terminal window with a title bar that says "Downloads — -bash — 80x24". The terminal content shows the prompt "ariadne:Downloads minae\$" with a cursor. A pink arrow points from the title bar down to the prompt.



A terminal window with a title bar that says "MINGW64:/c/Users/minae/Downloads". The terminal content shows the prompt "minae@eris MINGW64 ~/Downloads" with a cursor. A pink arrow points from the title bar down to the prompt. Another pink arrow points from the prompt up to the terminal content.

Always know where you are
in your filesystem in a CLI!

Running commands from the
wrong location can cause
issues