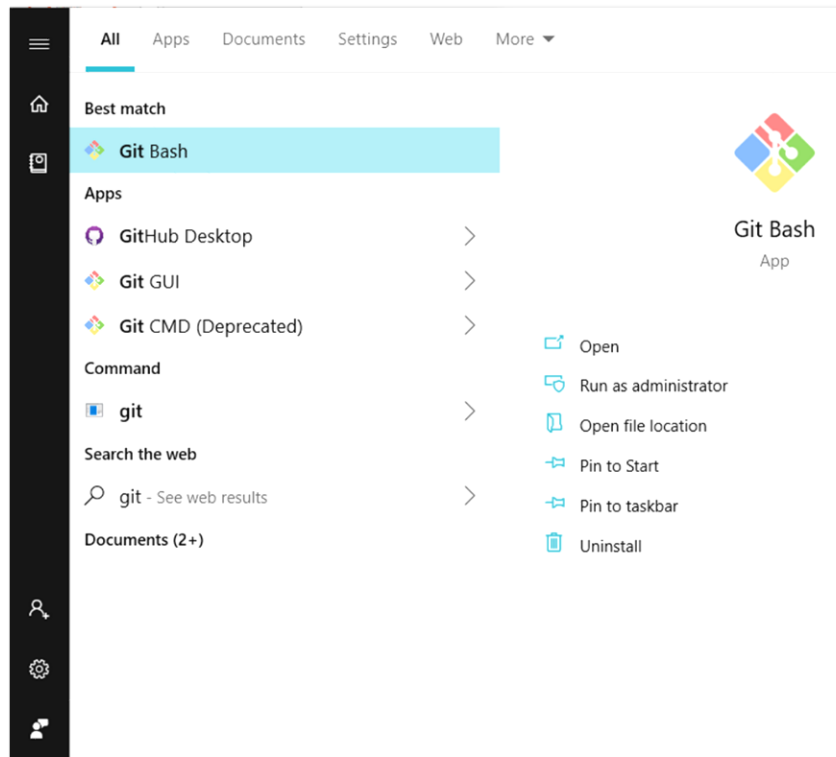


Command line is easy!

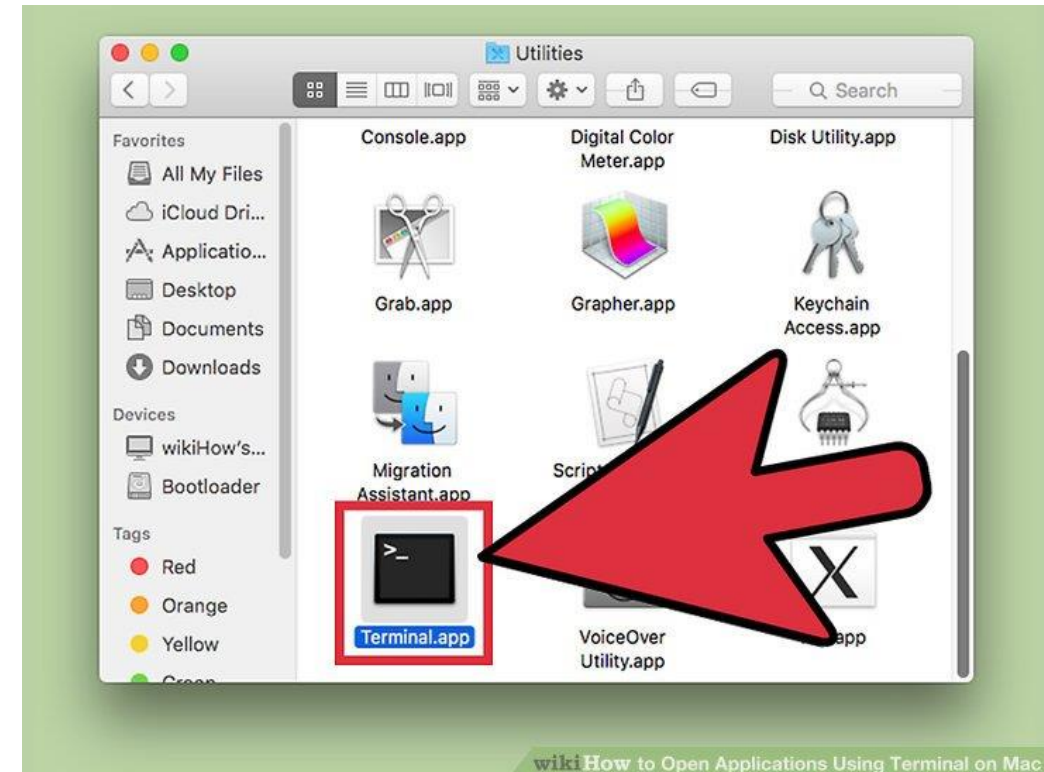
Windows 10

- Open Git bash



MacOS

- Open Terminal in Utilities



Where am I?

- `pwd` = present working directory

- bash shell paths use forward slash as separator

In Windows

`C:\Users\tams00`

becomes

`/c/Users/tams00`

- Symbol `~` means home directory

`~` is the same as

`/c/Users/tams00`

Notes:

- Windows is not case sensitive
- MacOS and Linux are case sensitive
 - `cd _documents` won't work

Moving about

- `ls` = List files in directory

`directories/`

`files`

`links@`

`ls -l` gives long listing format

- `cd` = change directory

`cd Documents`

NB. tab key autocompletes file and directory names

e.g.

`cd Doc<press tab>`

Shortcuts:

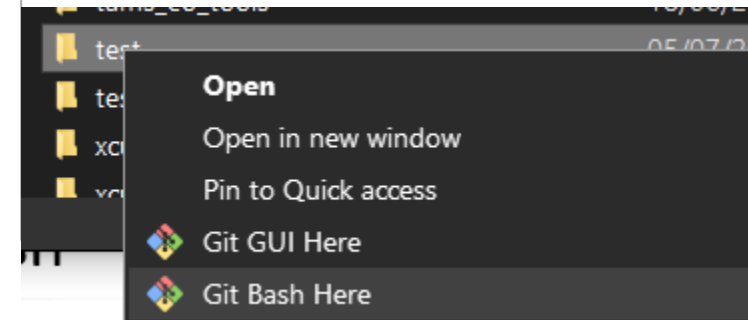
`cd ..` = move up one directory

`cd ~` = move to home directory

`cd -` = move to previous directory

Notes:

- Check output against file browser. You are looking at the same files.
- In Windows you can start a Git bash shell in any location by right clicking on a directory



Creating and removing files and directories

- `mkdir` = make directory
`mkdir rubbish`
- `rmdir` = remove directory
`rmdir rubbish`
- `rm` = remove file
`rm rubbish.txt`

Notes:

- Can still use the file browser
- Create and modify text files using any editor, e.g.
 - Notepad++ in Windows
 - TextEdit in MacOS

Copy or move files

- mv = move file/directory
mv file.txt <new location>
NB. Can be used to rename e.g.
mv oldname.txt newname.txt
- cp = copy file
cp file.txt file_v2.txt
- cp -r = copy directory AND contents
cp -r Documents Documents_v2

Notes:

- Alternatively use the file browser
- NB. Avoid using spaces in filenames on command line. (It won't understand them)

Tips to make life easier...

- Tab key = auto-complete (avoid typing long path names)
- Copy & paste
 - Select text using mouse = automatically copies highlighted text
 - Right or central click to paste.
 - NB. Ctl+c/Ctl+v won't work on command line
 - Ctl+c means cancel/abort
- less = view file contents without editing
 - `less file.txt`
Scroll using arrows, type q to quit/exit

Test your installation from terminal

```
git --version
```

```
git version 2.22.0.windows.1
```

How to configure an editor for git messages

https://github.com/CefasRepRes/Git_Training/wiki/Before-the-course

- Check default editor

```
git config -- core.editor
```

- Simplest choice for Windows

```
git config --global core.editor "notepad"
```

Help for other editors:

<https://help.github.com/en/articles/associating-text-editors-with-git>