



Intro to Computing 2020-21

All exercises should be attempted using any & all available resources (l.e. cheat sheets and the internet).



Command-line interface

- The Ubuntu terminal application provides a **bash shell** command line interface which provides powerful computing tools
- but can be challenging for new users to adopt.

Command-line interface vs graphical-user interface

Take home message: The command line allows for fast and flexible processing, and is a powerful (often essential) tool for scientific computing



Exercise 1 - using CLI make a folder and copy today's resources into it

Windows users

- in **anaconda prompt**
- conda install m2-base

Mac users

- Finder + “terminal”

ACTIVITY

- Navigate to your Documents directory using **cd**
- See where you are with **pwd**
- List the contents of your Documents directory using **ls**
- Create a new directory in Documents called Terminal_Exercises using **mkdir**
- Move Intro_computing_resources into Terminal_Exercises using **mv**



Exercise 2 - create, rename and delete files

Windows users

- in **anaconda prompt**

conda install -c swc nano

ACTIVITY

- Navigate to your Terminal_Exercises directory using **cd**
- Create a new file in Terminal_Exercises called bash_intro.txt using **nano**
- Create a new directory called Transfer
- Copy bash_intro.txt into Transfer using **cp**
- Rename bash_intro.txt to bash_expert.txt
- Delete the directory Transfer using **rm**