# CHAPTER 1. ACCCESSING THE COMMAND LINE

1. Command Line: Text based interface to input instructions to a computer
2. Commands entered have 3 basic parts:
   1. Command to run
   2. Options to adjust the behavior of command
   3. Arguments, targets of the command
3. –help: Print a description of what it does/ Usage statement
   1. [ ] Square brackets: surround optional items
   2. Anything followed by …: List of items of that type
   3. Multiple items separated by pipes |: Only one of them can be specified
   4. Text in < >: Variable data to input
4. Short keys
   1. Starting a terminal:
      1. Applications – Utilities – Terminal
      2. Right click – Menu key – Open in Terminal
   2. Locking the screen or logging off
      1. Lock screen – User – Lock / Cntrl+Alt+L
      2. Unlock screen: Enter or space – Password
      3. Log out: User – Log out
      4. Powering off: User – Power off / Cntrl+Alt+Del
5. Commands
   1. date: Display current date and time

Arguments: date +%R: time

date +%x: date

* 1. passwd: To change password
  2. file: Display what type it is

head: display beginning of a file

tail: display end of a file

By default, it displays 10 lines

Option -n displays n number of lines

* 1. wc: counts lines (-l), words (-w), characters (-c)

1. Tab completion: Quickly complete command once typed enough to make it unique

Tab key twice: Display all commands beginning with that character

1. Command History
   1. history: to see all the command history
   2. !ls: last used ls command with arguments
   3. !(number): Re-execute a specific command in the history list
   4. Up arrow: Edit previous command in the history list
   5. Down arrow: Edit previous command in the history list
   6. Left and Right arrow: To move cursor left and right
2. Editing the command line
   1. Ctrl+a: Jump to the beginning of the command line
   2. Ctrl+a: Jump to the end of the command line
   3. Ctrl+u: Clear from the cursor to the beginning of the command line
   4. Ctrl+k: Clear from the cursor to the end of the command line
   5. Ctrl+Left arrow: Jump to the beginning of the previous word on the command line
   6. Ctrl+Right arrow: Jump to the beginning of the next word on the command line
   7. Ctrl+r: Search the history list of commands for a pattern