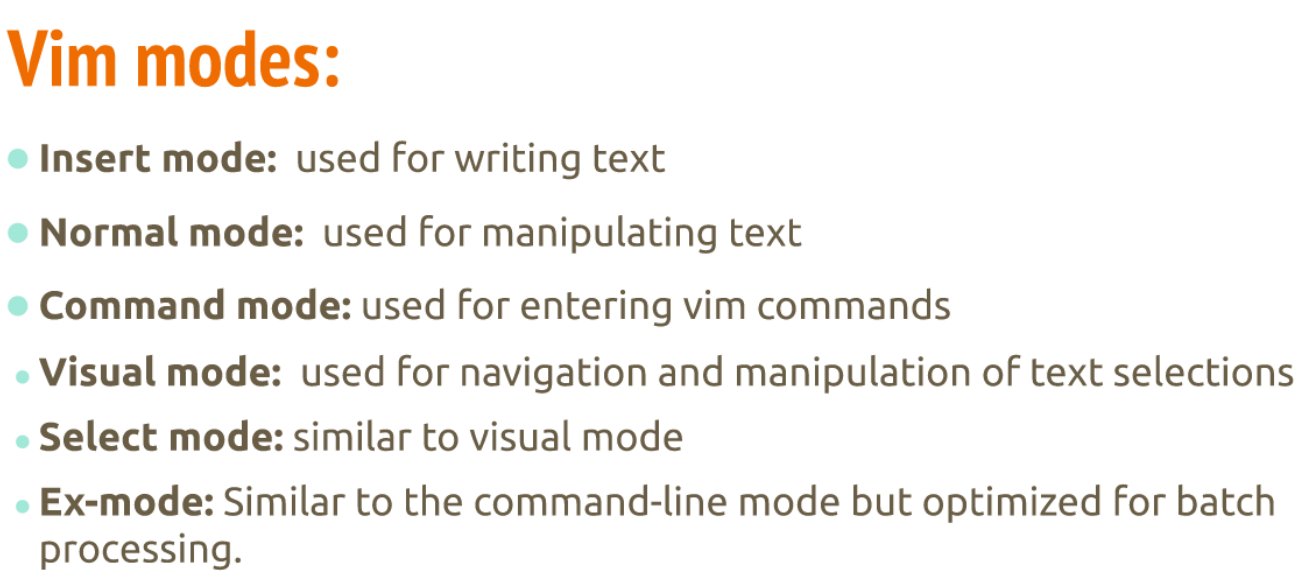
Lab6 Notes

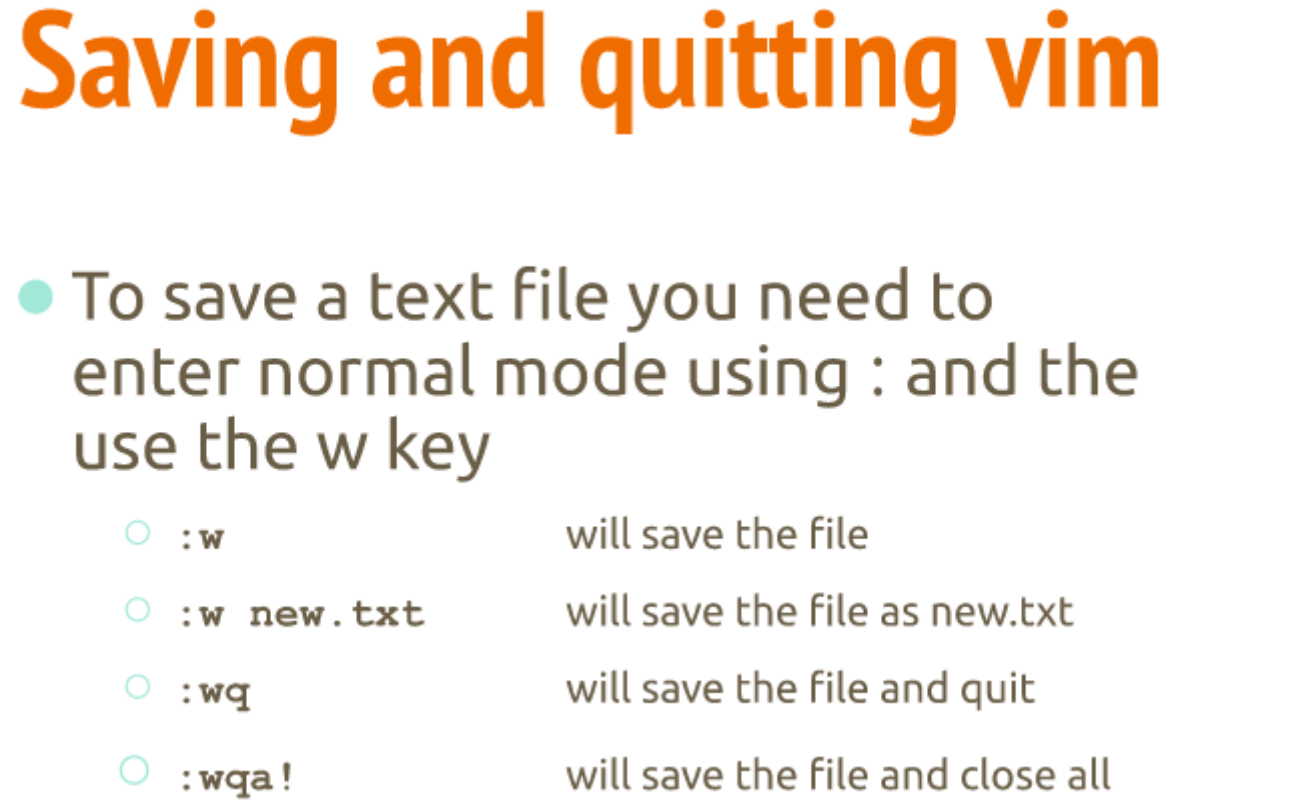
What is Vim ?

How to start Vim

What are the Vim modes ?



How to save and quit in Vim ?



How to Delete , Copy and Paste ?

Delete text and copy and paste

- dw = delete current word
- u = undo
- dd = delete line under the cursor
- d + /word = delete until the word given
- yw = copy the current word
- p = for paste after the cursor
- P = for paste before the cursor
- yy = copies a whole line
- x = for cut

Managing Data

Archiving utilities

- **Tar (tape archive):** creates archives by combining files and directories into a single file.
- **CPIO:** Creates an archive, restores files from an archive, or copies a directory hierarchy. The cpio utility has three modes of operation:
  - Create (copy-out) mode places multiple files into a single archive file,
  - Extract (copy-in) mode restores files from an archive,
  - Pass-through (copy-pass) mode copies a directory hierarchy.
- **Ar:** creates, modifies, and extracts from archives.

The tar program

Usage:

- To create an archive:
  - `tar + options + archive name + files to add to archive`
- To extract an archive:
  - `tar + options + file to extract`

Some Examples for the Tar Command

Examples of the tar command

Action	Example
create archive	tar -cf example.tar file1 file2 file3
extract archive	tar -xf example.tar
Extract archive in a different directory	tar -xf example.tar --directory ~/Downloads
extract an specific file	tar -xf example.tar file3
list the contents of an archive	tar -tf example.tar
add files to an archive	tar -rf example.tar file4
update files inside an archive	tar -uf example.tar file4
to add members of an archive to another archive	tar -Af example.tar example2.tar
to delete specific members of an archive	tar --delete -f example.tar file3
to compare files with members of an archive	tar -df example.tar file2

The ar Utilities

The ar utility

The GNU ar program creates, modifies, and extracts from archives.

Archive files with ar

- `ar r test.a *.txt`

List contents of an archive

- `ar t test.a`

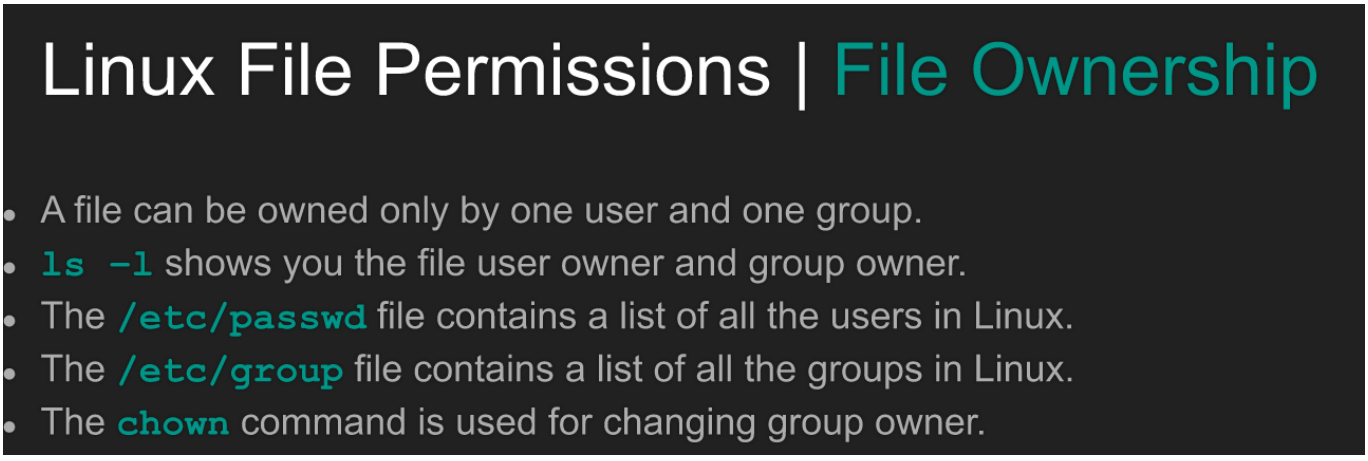
Add a new member to an archive

- `ar r test.a test3.txt`

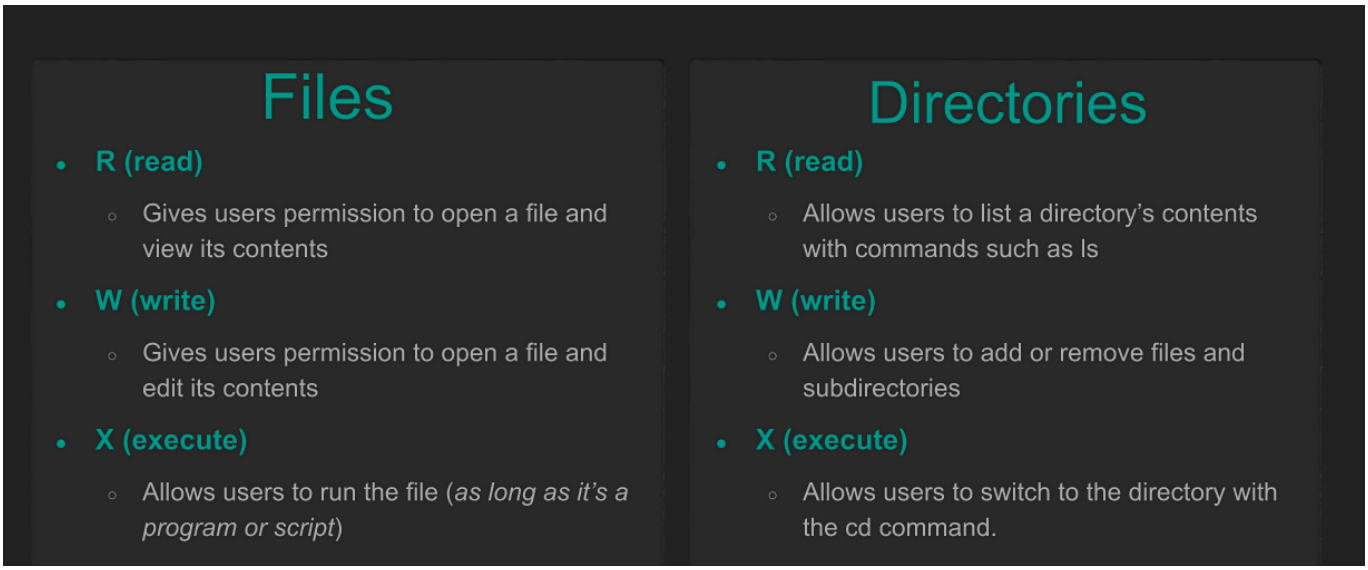
Delete a member from archive

- `ar d test.a test3.txt`

The File Permission



Files and Directories



The Chmod command