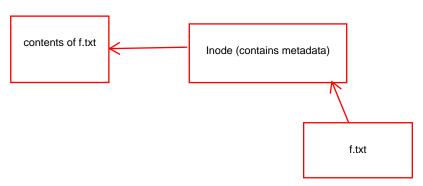


For example, in the bottom-most file in the listing (third-party_attributions.txt), the owner has read and write permissions, while the group and everyone else only have only read permissions. No one has execute permissions (which makes sense since it's a text file- not an executable)

Source of above image: https://askubuntu.com/questions/732149/cant-execute-this-file (visited 2/15/2018)

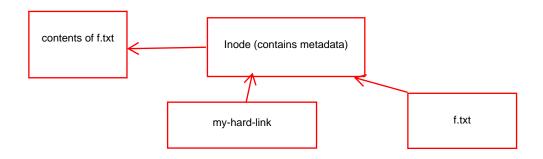
Hard links vs symbolic links (aka. soft links) - as I understand them

* When you create a file (say f.txt) with some content, the file system creates a new inode (not to be confused with a node) with metadata about the file and a pointer to the data; it also creates the hardlink f.txt; this hardlink is a pointer to the inode just created. (situation diagrammed below)



* Suppose we ran the below in bash \$ In f.txt my-hard-link.

We've now created another hard link to f.txt (i.e. we've created another pointer to the Inode containing the metadata about the contents of f.txt- the pointer's name is my-hard-link. (situation diagrammed below)







* Now we'll create a *soft link* to f.txt. You'll see that this means that this means we'll be creating a pointer to the filename object (which is a pointer to the Inode- which is in turn a pointer to the file contents)- so we'll be yet another level of indirection removed from the file contents relative to what we'd be had we just created a hard link. \$ In -s f.txt my-soft-link

