Permissions for Directories

The same series of permissions may be used for directories but they have a slightly different behaviour.

```
    r - you have the ability to read the contents of the directory (ie do an ls)
    w - you have the ability to write into the directory (ie create files and directories)
    x - you have the ability to enter that directory (ie cd)
```

Example:

```
    ls testdir (list testdir contents)
    file1  file2  file3
    chmod 400 testdir (400 is 100000000) so r--- --- ---
    cd testdir (change directory to testdir)
    -bash: cd: testdir: Permission denied

    chmod 100 stops access to a directory
```

Example2:

```
    chmod 100 testdir - (100 = 001000000 or --x --- --- so execute rights only)
    ls testdir
    ls: cannot open directory testdir: Permission denied
    cd testdir - I can't list the director, but I can change to it
    cat file1 - and I can view a file I know exists!
    this is a test file
    you have opened it
```

I am sure I'll find a use for that? :)

From:
http://cameraangle.co.uk/ - **WalkerWiki - wiki.alanwalker.uk**

Permanent link:
http://cameraangle.co.uk/doku.php?id=wiki:permissions_for_directories

Last update: **2023/03/09 22:35**