**<https://www.youtube.com/watch?v=LFNwRp-rwMs&list=PLS1QulWo1RIb9WVQGJ_vh-RQusbZgO_As&index=19>**

**Notes:**

* Command ls -l brings up the permissions of all the files

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| users | | | group | | | others | | | |
| r | w | x | r | w | x | r | w | x |
| 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 |
| 4 | 2 | 1 | 4 | 0 | 1 | 0 | 2 | 1 |
| 4+2+1 = 7 | | | 4+1 = 5 | | | 2+1 = 3 | | | |

|  |  |  |
| --- | --- | --- |
| r,w,x permissions | binary | octal |
| --- | 000 | 0 |
| --x | 001 | 1 |
| -w- | 010 | 2 |
| -wx | 011 | 3 |
| r-- | 100 | 4 |
| r-x | 101 | 5 |
| rw- | 110 | 6 |
| rwx | 111 | 7 |

* Use command chmod 000 file will give no permissions to any users.
* Use command chmod 755 file will give full permissions to user, read and execute to group and others.