Permissions

specify for who

u means user

g means group

o means all other users

a means all users

The type of permission:

+r adds read permission

-r removes read permission

+w adds write permission

-w removes write permission

+x adds execute permission

-x removes execute permission

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

* **4** stands for "read",
* **2** stands for "write",
* **1** stands for "execute", and
* **0** stands for "no permission."

**chmod**: change file permissions

chmod u=rwx,g=rx,o=r myfile

chown: change file owner

1. Change the owner of a file

# chown root tmpfile

### 2. Change the group of a file

# chown :datebase tmpfile

### 3. Change both owner and the group

# chown Roy:webadmin tmpfile

chgrp: change group ownership

chgrp newgroup file.txt

id: print user and group IDs

Process management

ps: current processes

pstree: display a tree of processes

top: display processes and uptime information

nice: run a program with modified scheduling priority

renice: alter priority of running processes

kill: terminate processes

uptime: how long the system has been running