﻿File Ownership

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- each file/directory has its user ownership & group ownership

for example,

- there is user named cybrom which is the primary member of education

- if user cybrom creates a file/directory :

user owner of the file/directory will be cybrom

group owner of the file/directory will be education

- user ownership & group ownership can be changed

# ls -l <file\_name>

# ls -ld <directory\_name>

Changing Ownership

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change user ownership

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# chown <user\_name> <file\_name>

change group ownership

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# chgrp <group\_name> <file\_name>

change both user ownership & group ownership

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# chown <user\_name>:<group\_name> <file\_name>

change both user ownership & group ownership recursively

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# chown -R <user\_name>:<group\_name> <directory\_name>

examples,

# chown support /data

# ls -ld /data/

# chgrp purchase /data

# ls -ld /data/

# chown cybrom:education /data

# ls -ld /data/

# touch /data/{b1.txt,b2.txt,b3.txt,b4.txt}

# ls -l /data

# chown -R support:purchase /data

# ls -ld /data

# ls -l /data

Task

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1. create 6 users named u1,u2,u3,u4,u5,u6

2. create 3 groups named g1,g2,g3

3. u1 & u2 should be the primary member of g1

4. u3 & u4 should be the primary member of g2

5. u5 & u6 should be the primary member of g3

6. home directory of u2 should be /user2

7. uid of u4 should be 1244

8. u5 should be the secondary member of g2

9. shell of u6 should be /bin/sh

10. home directory of u2 should be available for g2 members with read,execute permissions.

11. home directory of u2 should be available for g3 members with read,write,execute permissions.

Note: 'usermod' command will not be considered in the above mentioned task.