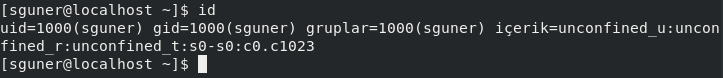
CSE313 HOMEWORK 2

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1. What does the id command do? What does it show?

It shows current user’s ID and the groups the user is in.



1. If I wanted to see the password information for users, where would I look?

We can see the expiration time with “**chage -l ‘username’** “ command.

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Açıklama otomatik olarak oluşturuldu

Also we can use look the /etc/passwd or /etc/shadow directories inside. “**cat /etc/passwd**” . We should be a root to look /etc/shadow directory.

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Açıklama otomatik olarak oluşturuldu

3. Explain the format of how passwords are stored. As an example, paste the password for your user on your Linux system (You may use a screenshot of your screen when you view your password information).

Each user’s password stored in **encrypted** format.

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Açıklama otomatik olarak oluşturuldu



4. What is the difference between a primary group and a supplementary group?

Primary group specifies a group that the operating system assigns to files that are created by the user. Secondary groups specifies one or more groups to which a user also belongs. Users can belong to up to 15 secondary groups.

5. Draw a UML diagram representing how users and groups are related. For full credit you must include all necessary relationships between the User class and Group class and each class you create must have at least three (3) attributes defined.

6. Explain all ways that a user can gain superuser (root) access without logging into the root user directly from the login screen.

“**su –** “ and ‘**sudo**’ commands for sudoers. These commands helps us to gain superuser (root) access without logging into the root user directly from the login screen

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Açıklama otomatik olarak oluşturuldu

7. Write a list of commands to create a new user on your system with the userid “wanda” and the password “V!s!0n”. Then create a group named “marvel” and put the user you created into this group. Also put your own user into this group.

Firstly, we should be a root user: “**su –**“

“**useradd wanda**” create a new user with the userid “wanda”.

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Açıklama otomatik olarak oluşturuldu

“**passwd wanda**” set the wanda user’s password “V!s!0n”.

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Açıklama otomatik olarak oluşturuldu

“**groupadd marvel**” create a group named marvel.

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Açıklama otomatik olarak oluşturuldu

“**usermod -G marvel ‘username’**” command put the user i created into this group.

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Açıklama otomatik olarak oluşturuldu

8. Remove the user “agatha” from the system and remove the home directory for this user.

“**userdel -r agatha**” delete the agatha user and remove the home directory.

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Açıklama otomatik olarak oluşturuldu



9. Lock the account “pietro”.

“**usermod -L pietro**” lock the pietro’s account.

10. Explain how permissions are applied. Give an example of how a user could be not the owner of a file and yet be able to view a file that the owner could not. Using the following users and file information answer questions

“tstark” cannot see the “starktower” file which he own but the other group members can see.

r(read): Contents of the file can be read.

w(write): Contents of the file can be changed.

x(execute): Files can be executed as commands.

11. List the users that can view file “starktower”.

Thor and Hulk which are in “Avangers” group can view the “starktower” file.

12. List the users that can edit the file “evilPlans”.

Loki whis is in “Villains” group can edit the “evilPlans” file.

13. How could we change the permissions to allow anyone in the “villains” group to execute the “evilPlans” file?

“**chmod g-x evilPlans**” code change the permissions to allow anyone in the “villains” group to execute the “evilPlans” file.

14. List the users that can view a list of all files in the “mcu” directory.

Everyone of users can view a list of all files in the “mcu” directory.

15. List users that can delete the file “evilPlans”.

Hulk and Thor which is in “Avangers” group can delete the file “evilPlans”.

16. What command is used to show the default permissions? Explain the value that is shown when you view the default permissions. (i.e. run the command on your system, state what the value is and explain what the numbers shown mean).

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Açıklama otomatik olarak oluşturuldu

17. What is a process?

A process is a running instance of a launched, executable program.

18. What happens to a parent process when a child is executing?

Parent process sleeps while chlid process is executing.

19. What happens to a child process when it is completed executing and exits? What is the term used to describe this process?

**Zombie** used to describe this process.

20. What is the first thing a parent process does upon having control returned and “waking up”?

Then parent process cleans the remaining structure and continues to own execution.