Linux_AI_Lab2_Ahmed Abd-Elsalam Muhammed Afify

Report about what I have experienced in this assignment:

1) *Writing in the mycv text file:*

   [ahmed@localhost ~]$ vi mycv

   Written:

   Name: Ahmed Abd-Elsalam Muhammed Afify

   Age: 24 years

   School: Saud Secondary school

   College: Faculty of engineering-Zagazig university

   Experience: +1 year of experience

2) *Finding words:*

   a. Command: **/Experience** in command mode

   b. I used **yy** to copy (yank)
      And then **p** to paste

   c. I copied the first line and then undo
      The changes using **:u**

   d. I wrote words and quit without
      Saving using **:q**

   e. I deleted the line using **dd**

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   File  Edit  View  Search  Terminal  Help
   Name: Ahmed Abd-Elsalam Muhammed Afify
   Age: 24
   School: Saoud Secondary School
   College: Faculty of Engineering-Zagazig University
   Experience: +1 year experience
   Name: Ahmed Abd-Elsalam Muhammed Afify
   ~
   ~
   ~
   ~
   ~
   ```

3) *To list all shells I used:*

   [ahmed@localhost ~]$ cat /etc/shells

   [ahmed@localhost ~]$ chsh -1

   And the output was:

   /bin/sh

   /bin/bash

   /usr/bin/sh

   /usr/bin/bash

   /bin/tcsh

   /bin/csh

4) *To list all environment variables I used:*

   env or **printenv** or **set**

5) *The command that lists a specific variable is:*
   - **echo $variable**
   - **printenv variable**
   - **$variable**

6) *To list the name of the current shell:*
   [ahmed@localhost ~]$ echo $SHELL
   /bin/bash
   [ahmed@localhost ~]$ echo $0
   bash

7) *To list all the users and write the output in a file I used:*
   [ahmed@localhost ~]$ compgen -c > /tmp/commands.list
   So the output was redirected to the commands.list file

8) *The usernames that starts with 'g' are:*
   [ahmed@localhost ~]$ getent passwd |cut -d: -f1 | grep ^g
   And the result is:
   games
   geoclue
   gluster
   gdm
   gnome-initial-setup

9) *To put the output in a file:*
   [ahmed@localhost ~]$ getent passwd |cut -d: -f1 | grep ^g > users.txt

10) *The commands are:*
   - **[ahmed@localhost ~]$ find / -name "*.bash_prifile"**
   - **[ahmed@localhost ~]$ find / -name "*.bash_prifile" | ls / | sort 2> err.txt > output.txt**

11) *To display the uses id:*
   [ahmed@localhost ~]$ cat /etc/passwd | id –u

12) *The command to create a user:*
   [ahmed@localhost ~]$ sudo adduser -c "islam askar" islam
   [ahmed@localhost ~]$ sudo passwd islam
   Changing password for user islam.

New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
But finally I got this:
[ahmed@localhost ~]$ sudo adduser -c "islam askar" -p $(openssl passwd islam1234) islam

13) *In every time I tried many many things to set the password for a user when creating but with no result and I thought about this:*
[ahmed@localhost ~]$ sudo adduser -c "Bad User" baduser | sudo passwd baduser
Changing password for user baduser.
adduser: user 'baduser' already exists
New password: Password change aborted.
New password: Password change aborted.
New password: Password change aborted.
passwd: Have exhausted maximum number of retries for service
but also it didn't work , so I did it as the previous one:
sudo adduser -c "Bad User" baduser
Changing password for user baduser.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
Then I tried pipline:
[ahmed@localhost ~]$ sudo passwd | sudo adduser baduser
But finally I got:
[ahmed@localhost ~]$ sudo adduser -c "Bad User" -p $(openssl passwd baduser1234) baduser
And it worked yaaaaaay

14) *To create a group with ID:*
[ahmed@localhost ~]$ sudo groupadd -g 30000 pgroup

15) *To creat a group:*
[ahmed@localhost ~]$ sudo groupadd badgroup

16) *To add islam to a pgroup as secondary group;*
[ahmed@localhost ~]$ sudo usermod -aG pgroup islam

17) Changing the password:

[ahmed@localhost ~]$ sudo passwd islam
Changing password for user islam.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.

18) The command for password aging is:

[ahmed@localhost ~]$ sudo passwd -x 30 islam
Adjusting aging data for user islam.
passwd: Success

19) The command to lock a user is:

[ahmed@localhost ~]$ sudo usermod -L islam

20) To delete a user:

[ahmed@localhost ~]$ sudo userdel baduser

21) To delete a sub-group:

[ahmed@localhost ~]$ sudo groupdel badgroup

22) The command to list the groups is:

[ahmed@localhost ~]$ cat /etc/group
And a smililar output looks like:
pgroup:x:30000:islam
pgroup: the name of the group
x: the group password
30000: the group id GID
Islam: a user of the group