

مازن عبدالقواب سعد

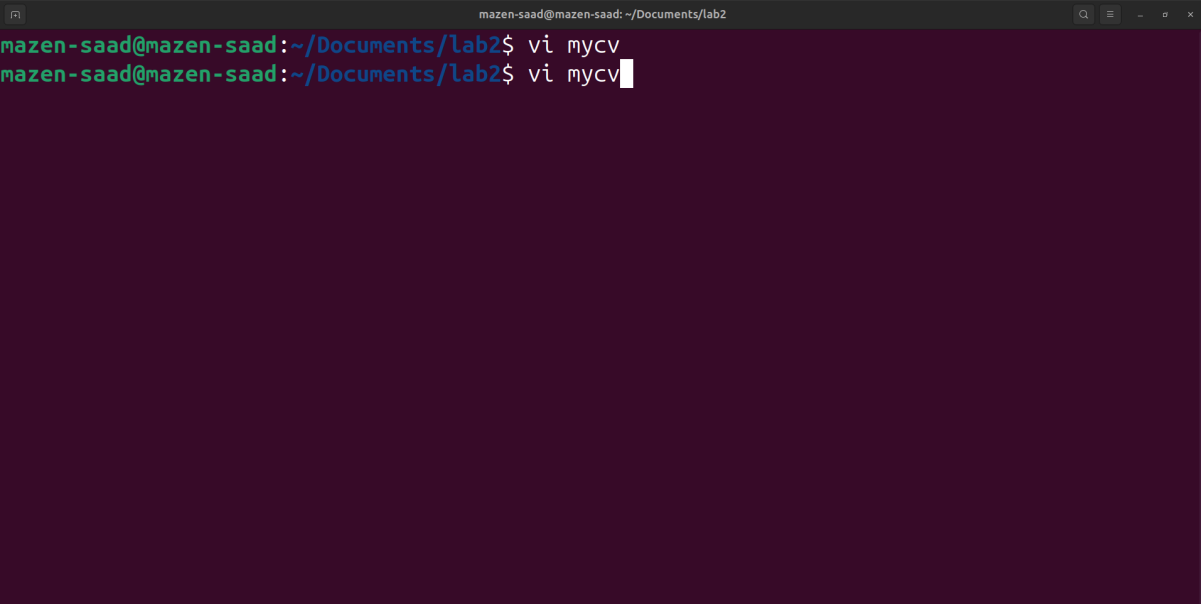
Lab 2

1. Using vi write your CV in the file mycv. Your CV should include your name, age, school, college, experience,...

```
mazen-saad@mazen-saad: ~/Documents/lab2$ vi mycv
```

[illegible]

2. Open mycv file using vi command then: (Without using arrows state how to)

A terminal window with a dark purple background. The title bar at the top reads 'mazen-saad@mazen-saad: ~/Documents/lab2'. The prompt is 'mazen-saad@mazen-saad: ~/Documents/lab2\$'. The command 'vi mycv' is entered on the first line. On the second line, the command 'vi mycv' is entered again, followed by a cursor. The rest of the terminal is empty.

```
mazen-saad@mazen-saad: ~/Documents/lab2$ vi mycv
mazen-saad@mazen-saad: ~/Documents/lab2$ vi mycv
```

3. Move the cursor down one line at time.

Using the letter => j

4. Move the cursor up one line at time.

Using the letter => k

5. Search for word age

```
mazen-saad@mazen-saad: ~/Documents/lab2
Name: Mazen Abdel-Tawab Saad
Age: 23
School: Menashe Al Khatib Institute
College: Al-Azhar University
Experience: HTML, CSS, JS
-
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~/Age
```


7. Delete the line you are on and line 5.

Delete the line I am on => dd

Delete line 5 => :5d

[illegible]

8. How to step to the end of line and change to writing mode in one-step.

Using the letter => A

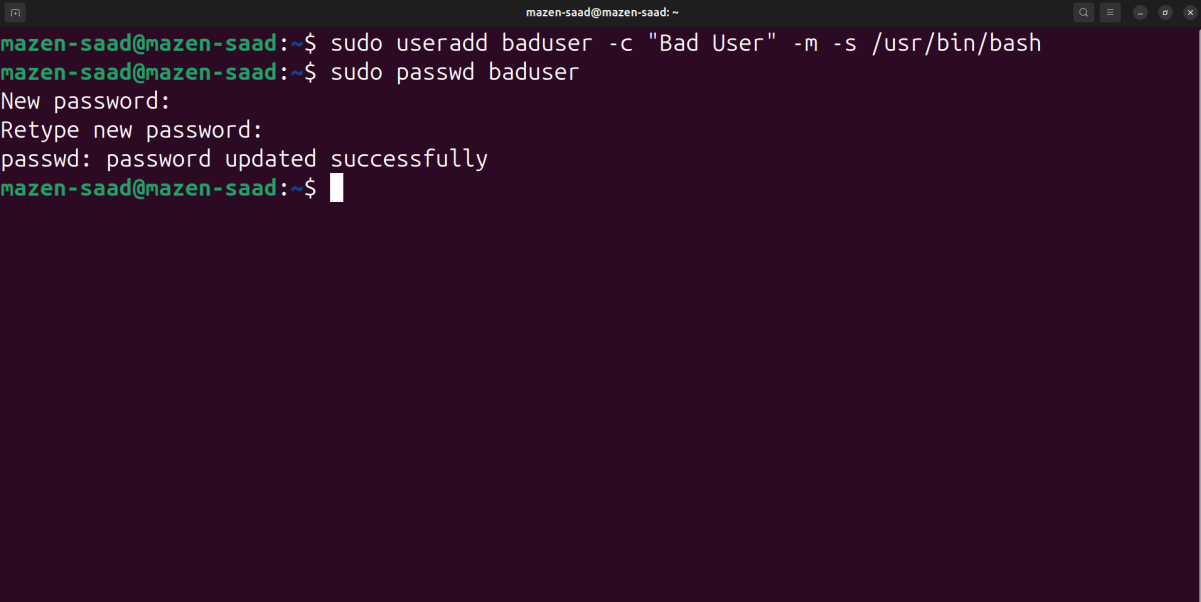
9. Create a user account with the following attribute

- a. username: islam
- b. Fullname: Islam Askar
- c. Password: islam

```
mazen-saad@mazen-saad: ~  
mazen-saad@mazen-saad:~$ sudo useradd islam -c "Islam Askar" -m -s /usr/bin/bash  
mazen-saad@mazen-saad:~$ su - islam  
Password:  
su: Authentication failure  
mazen-saad@mazen-saad:~$ sudo passwd islam  
New password:  
BAD PASSWORD: The password is shorter than 8 characters  
Retype new password:  
Sorry, passwords do not match.  
New password:  
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/systematic  
Retype new password:  
Sorry, passwords do not match.  
New password:  
Retype new password:  
passwd: password updated successfully  
mazen-saad@mazen-saad:~$
```

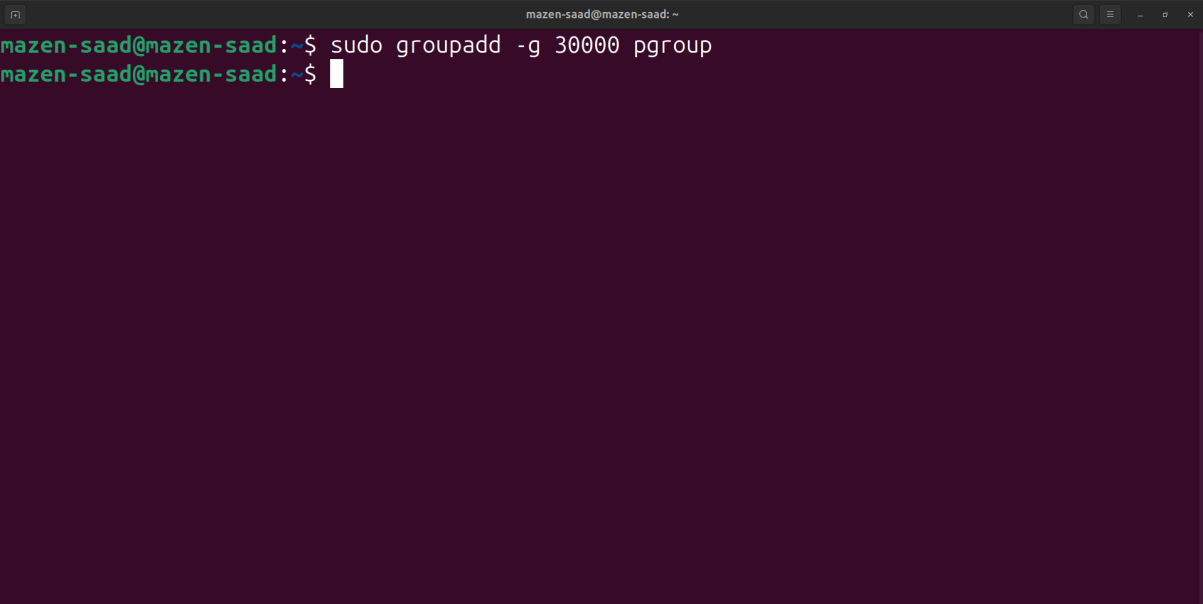
10. Create a user account with the following attribute

- a. Username: baduser
- b. Full name: Bad User
- c. Password: baduser

A terminal window with a dark purple background and white text. The window title is 'mazen-saad@mazen-saad: ~'. The user 'mazen-saad' is at the prompt. They enter 'sudo useradd baduser -c "Bad User" -m -s /usr/bin/bash'. The prompt changes to 'mazen-saad@mazen-saad:~\$'. They then enter 'sudo passwd baduser'. The prompt changes to 'mazen-saad@mazen-saad:~\$'. The system prompts for a password: 'New password:'. The user enters 'baduser'. The system prompts for the password to be repeated: 'Retype new password:'. The user enters 'baduser'. The system outputs 'passwd: password updated successfully'. The prompt returns to 'mazen-saad@mazen-saad:~\$' with a cursor.


```
mazen-saad@mazen-saad: ~  
mazen-saad@mazen-saad:~$ sudo useradd baduser -c "Bad User" -m -s /usr/bin/bash  
mazen-saad@mazen-saad:~$ sudo passwd baduser  
New password:  
Retype new password:  
passwd: password updated successfully  
mazen-saad@mazen-saad:~$
```

11. Create a supplementary (Secondary) group called pgroup with group ID of 30000

A terminal window with a dark purple background. The title bar at the top reads "mazen-saad@mazen-saad: ~". The prompt is "mazen-saad@mazen-saad: ~\$". The command "sudo groupadd -g 30000 pgroup" has been entered. The prompt has changed to "mazen-saad@mazen-saad: ~\$" and a white cursor is visible.

```
mazen-saad@mazen-saad: ~$ sudo groupadd -g 30000 pgroup
mazen-saad@mazen-saad: ~$
```

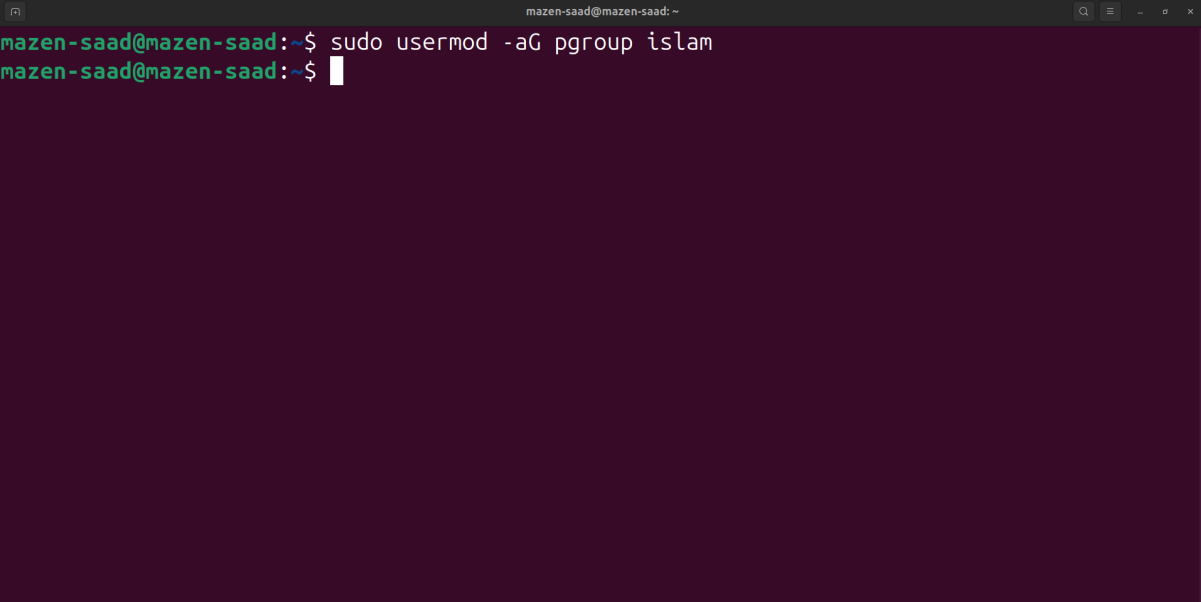
12. Create a supplementary group called badgroup



```
mazen-saad@mazen-saad: ~  
mazen-saad@mazen-saad: ~$ sudo groupadd badgroup  
mazen-saad@mazen-saad: ~$
```

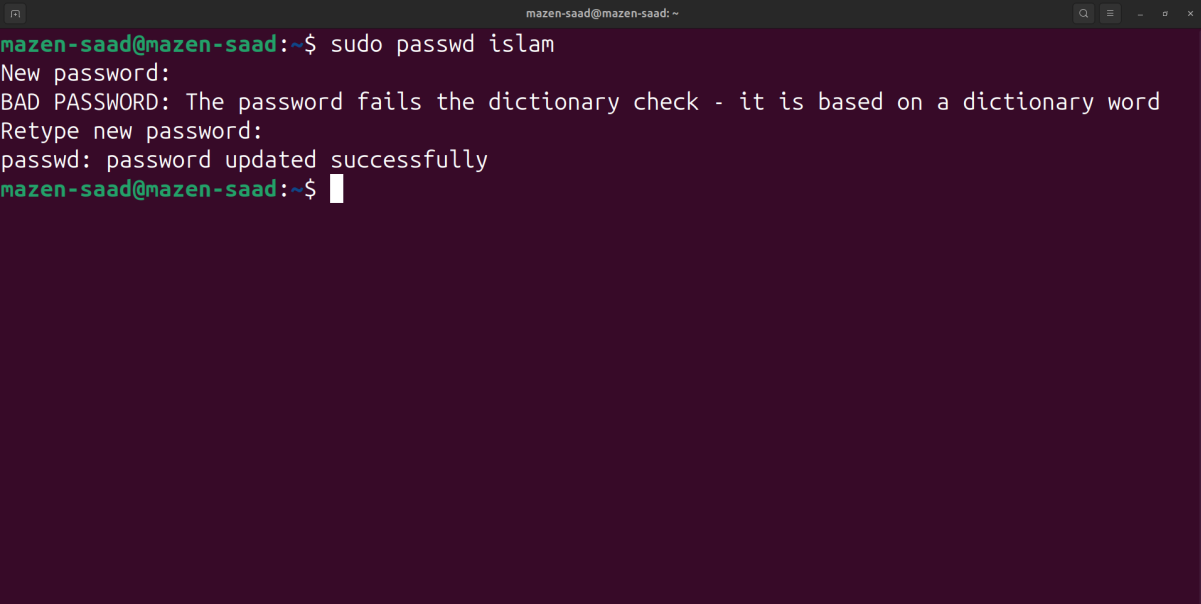
A terminal window with a dark purple background. The window title bar shows 'mazen-saad@mazen-saad: ~'. The prompt is 'mazen-saad@mazen-saad: ~\$'. The command 'sudo groupadd badgroup' has been entered and executed. The prompt is now 'mazen-saad@mazen-saad: ~\$' with a cursor.

13. Add islam user to the pgroup group as a supplementary group

A terminal window with a dark background and light green text. The window title bar shows 'mazen-saad@mazen-saad: ~'. The prompt is 'mazen-saad@mazen-saad:~\$'. The command 'sudo usermod -aG pgroup islam' has been entered. The prompt has changed to 'mazen-saad@mazen-saad:~\$' with a white cursor at the end.

```
mazen-saad@mazen-saad:~$ sudo usermod -aG pgroup islam
mazen-saad@mazen-saad:~$
```

14. Modify the password of islam's account to password


A terminal window with a dark purple background and white text. The window title bar shows 'mazen-saad@mazen-saad: ~'. The terminal content shows a user running 'sudo passwd islam'. It prompts for a new password, which fails a dictionary check. The user is prompted to retype the password, and the message 'passwd: password updated successfully' is displayed. The prompt returns to the user's shell.

```
mazen-saad@mazen-saad:~$ sudo passwd islam
New password:
BAD PASSWORD: The password fails the dictionary check - it is based on a dictionary word
Retype new password:
passwd: password updated successfully
mazen-saad@mazen-saad:~$
```

15. Modify islam's account so the password expires after 30 days

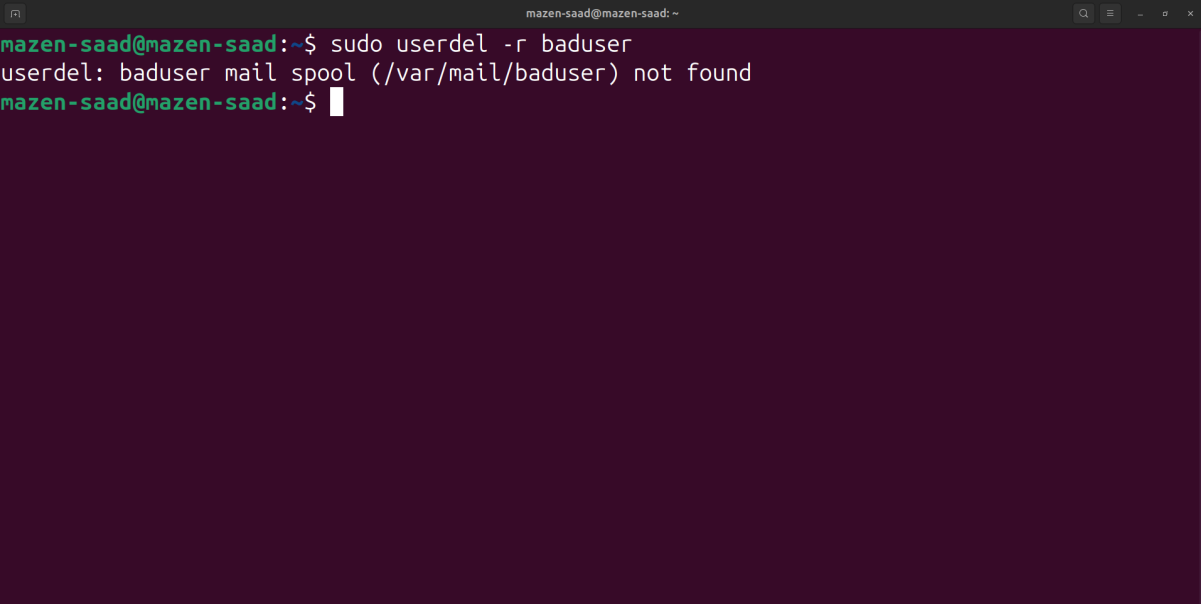
```
mazen-saad@mazen-saad:~$ sudo chage -M 30 islam
mazen-saad@mazen-saad:~$ sudo chage -l islam
Last password change           : Jun 10, 2024
Password expires                : Jul 10, 2024
Password inactive               : never
Account expires                 : never
Minimum number of days between password change : 0
Maximum number of days between password change : 30
Number of days of warning before password expires : 7
mazen-saad@mazen-saad:~$
```


16. Lock bad user account so he can't log in

A terminal window with a dark background and green text. The window title is 'mazen-saad@mazen-saad: ~'. The user 'mazen-saad' is at the prompt. They enter 'sudo usermod -L baduser'. Then they enter 'su - baduser'. The prompt changes to 'su: Password:'. They press enter, and the prompt changes to 'su: Authentication failure'. Finally, they press enter again, and the prompt returns to 'mazen-saad@mazen-saad: ~\$'.

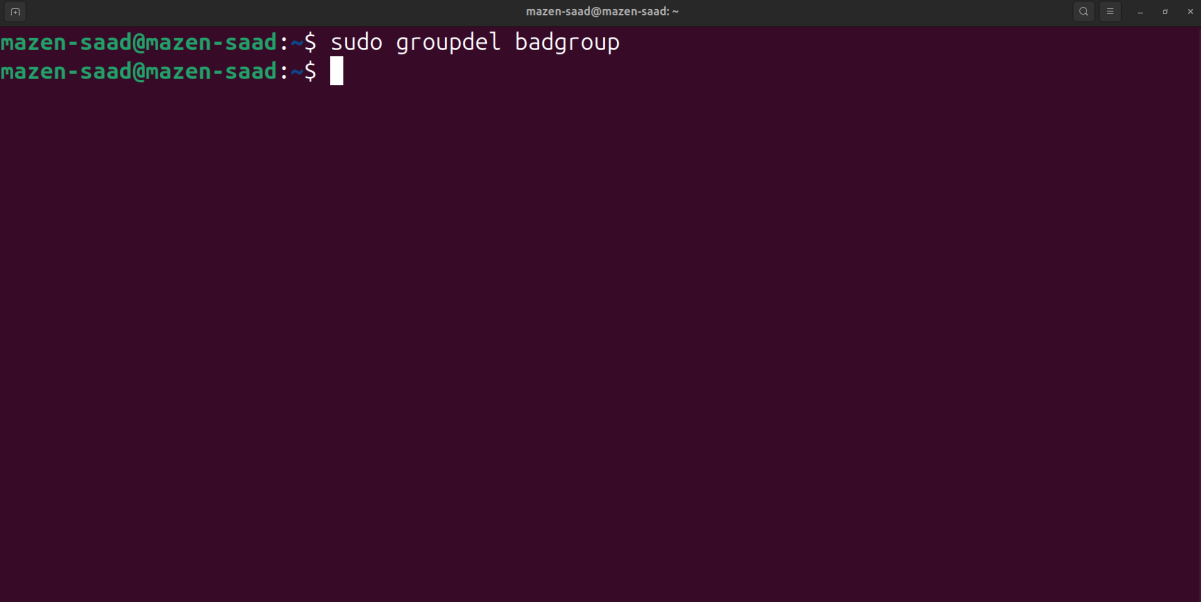
```
mazen-saad@mazen-saad: ~$ sudo usermod -L baduser
mazen-saad@mazen-saad: ~$ su - baduser
su: Password:
su: Authentication failure
mazen-saad@mazen-saad: ~$
```

17. Delete bad user account

A terminal window with a dark purple background. The title bar at the top reads 'mazen-saad@mazen-saad: ~'. The prompt is 'mazen-saad@mazen-saad:~\$'. The command 'sudo userdel -r baduser' has been entered. The output is 'userdel: baduser mail spool (/var/mail/baduser) not found'. The prompt is now 'mazen-saad@mazen-saad:~\$' with a cursor.

```
mazen-saad@mazen-saad:~$ sudo userdel -r baduser
userdel: baduser mail spool (/var/mail/baduser) not found
mazen-saad@mazen-saad:~$
```

18. Delete the supplementary group called badgroup.

A terminal window with a dark purple background. The title bar at the top reads 'mazen-saad@mazen-saad: ~'. The prompt 'mazen-saad@mazen-saad:~\$' is shown in green. The command 'sudo groupdel badgroup' has been entered and executed. The prompt 'mazen-saad@mazen-saad:~\$' is shown again in green, with a white cursor at the end.

```
mazen-saad@mazen-saad:~$ sudo groupdel badgroup
mazen-saad@mazen-saad:~$
```