**Task 2**

1. Create a user account with the following attribute

 username: islam

 Fullname/comment: Islam Askar

 Password: islam

A screenshot of a computer

Description automatically generated

2. Create a user account with the following attribute

 Username: baduser

 Full name/comment: Bad User

 Password: baduser

A screenshot of a computer

Description automatically generated

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



4. Create a supplementary group called badgroup

A black screen with white text

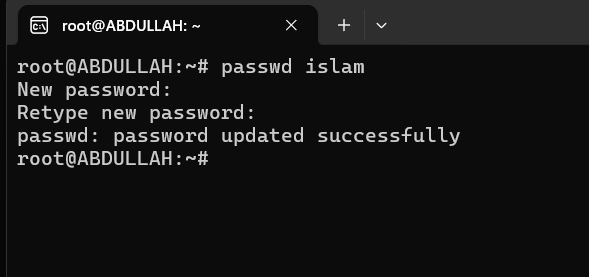
Description automatically generated

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

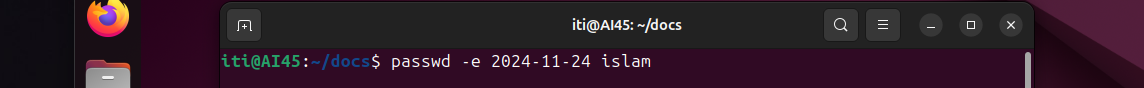
A screenshot of a computer

Description automatically generated

6. Modify the password of islam's account to *password*



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



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

A screenshot of a computer

Description automatically generated

9. Delete bad user account

A screenshot of a computer

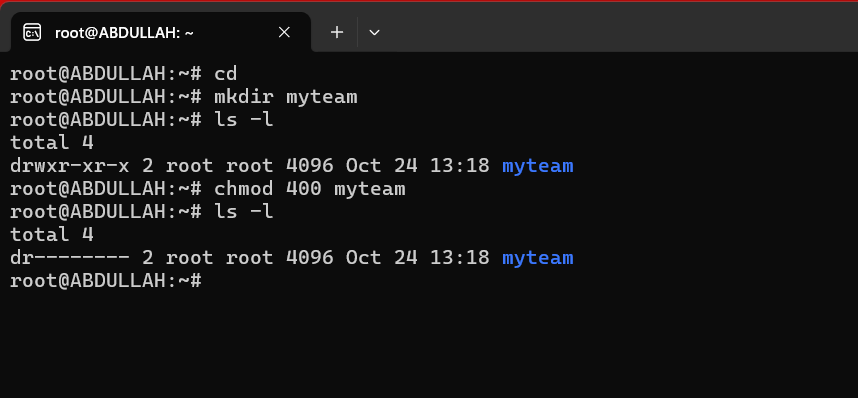
Description automatically generated

10. Delete the supplementary group called badgroup.

A screenshot of a computer

Description automatically generated

13. Create a folder called myteam in your home directory and change its permissions to read only for the owner.



14. Log out and log in by another user

A screenshot of a computer

Description automatically generated

15. Try to access (by cd command) the folder (myteam)

Cannot access

A screenshot of a phone

Description automatically generated

16. Using the command Line

 Change the permissions of oldpasswd file to give owner read and write permissions and for group write and execute and execute only for the others (using chmod in 2 different ways)

Chmod u=rw,g=wx,o=x oldpasswd

Chmod 631 oldpasswd

A screenshot of a computer program

Description automatically generated

 Change your default permissions to be as above.

A screenshot of a computer program

Description automatically generated

 What is the maximum permission a file can have, by default when it is just created? And what is that for directory.

File: r and w : 666

Directory: r and w and x: 777

 Change your default permissions to be no permission to everyone then create a directory and a file to verify.

A screenshot of a computer

Description automatically generated

17. What are the minimum permission needed for:

 Copy a directory (permission for source directory and permissions for target parent directory)

**Source Directory Permissions**: r and x

**Target Parent Directory Permissions**: w and x

 Copy a file (permission for source file and and permission for target parent directory)

**Source Directory Permissions**: r

**Target Parent Directory Permissions**: w and x

 Delete a file

**Parent Directory Permissions**: w and x

 Change to a directory

**Permissions: x**

 List a directory content (ls command)

**Permissions: r**

 View a file content (more/cat command)

**Permissions: r**

 Modify a file content

**Permissions: w**

18. Create a file with permission 444. Try to edit in it and to remove it? Note what happened.

cannot edit the content of the file because it has read-only permissions

can delete the file

A computer screen shot of a program

Description automatically generated

19. What is the difference between the “x” permission for a file and for a directory?

X permission for file : execute file

X permission for directory : acsses directory (cd command)