

Ganpat University
Faculty of Engineering & Technology
Computer Science & Engineering
(2CSE204) Basics of Operating System and Shell Scripting

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Sem:- 2

Sub: - BOSS

Enrollment No.:- 23162121027

Prac:- 5

Date:- 27/3/2024

Practical 6

1. Create a user with ***yourname_surname*** with some password and lock the account so that the user should not be able to login.

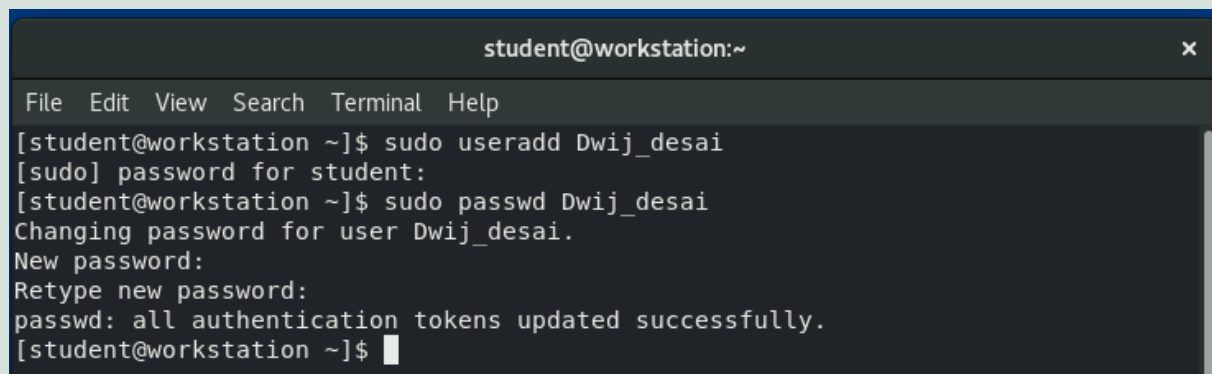
Command:-

sudo useradd Dwij_desai

sudo passwd Dwij_desai

password:- Hellooworld

Screenshot:-



```
student@workstation:~  
File Edit View Search Terminal Help  
[student@workstation ~]$ sudo useradd Dwij_desai  
[sudo] password for student:  
[student@workstation ~]$ sudo passwd Dwij_desai  
Changing password for user Dwij_desai.  
New password:  
Retype new password:  
passwd: all authentication tokens updated successfully.  
[student@workstation ~]$
```

2. Unlock the the user and now the user should be able to login

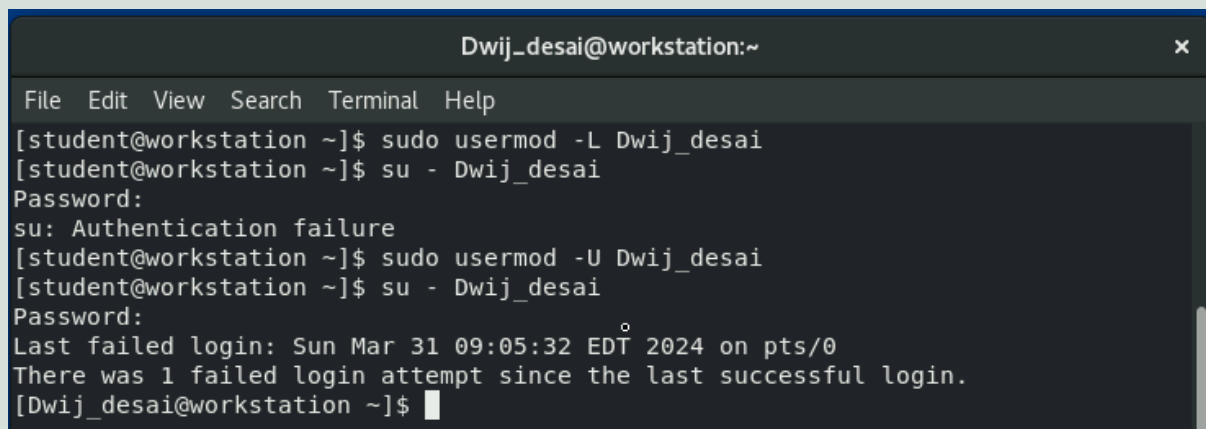
Command:-

```
sudo usermod -L Dwij_desai
```

```
sudo usermod -U Dwij_desai
```

```
Su – Dwij_desai
```

Screenshot:-

A terminal window titled 'Dwij_desai@workstation:~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

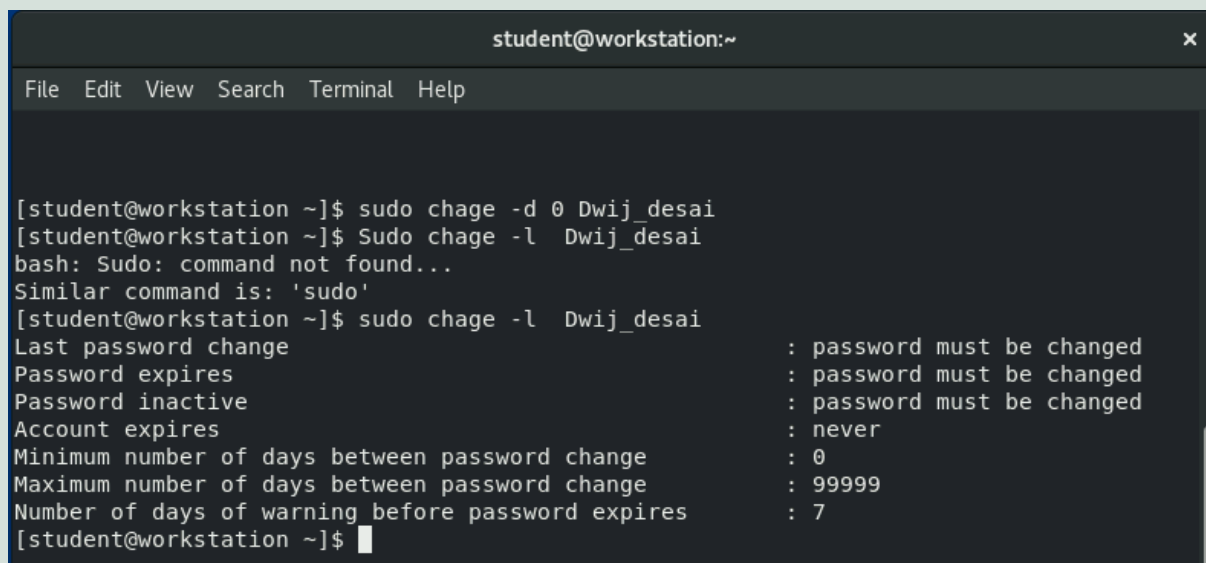
```
[student@workstation ~]$ sudo usermod -L Dwij_desai
[student@workstation ~]$ su - Dwij_desai
Password:
su: Authentication failure
[student@workstation ~]$ sudo usermod -U Dwij_desai
[student@workstation ~]$ su - Dwij_desai
Password:
Last failed login: Sun Mar 31 09:05:32 EDT 2024 on pts/0
There was 1 failed login attempt since the last successful login.
[Dwij_desai@workstation ~]$
```

3. Set the password policy of the user in such a way that he needs to change password on next login.

Command:-

```
sudo chage -d 0 Dwij_desai
```

Screenshot:-

A terminal window titled 'student@workstation:~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

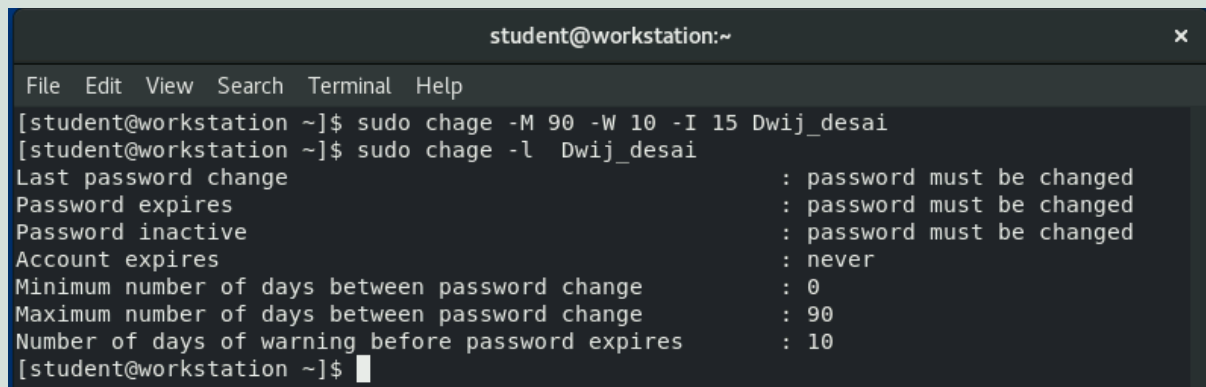
```
[student@workstation ~]$ sudo chage -d 0 Dwij_desai
[student@workstation ~]$ Sudo chage -l Dwij_desai
bash: Sudo: command not found...
Similar command is: 'sudo'
[student@workstation ~]$ sudo chage -l Dwij_desai
Last password change                : password must be changed
Password expires                     : password must be changed
Password inactive                    : password must be changed
Account expires                      : never
Minimum number of days between password change : 0
Maximum number of days between password change : 99999
Number of days of warning before password expires : 7
[student@workstation ~]$
```

4. Change the password policy for the user to require a new password every 90 days with a warning period of 10 days and an inactive period of 15 days.

Command:-

Sudo chage -M 90 -W 10 -I 15 Dwij_desai

Screenshot:-



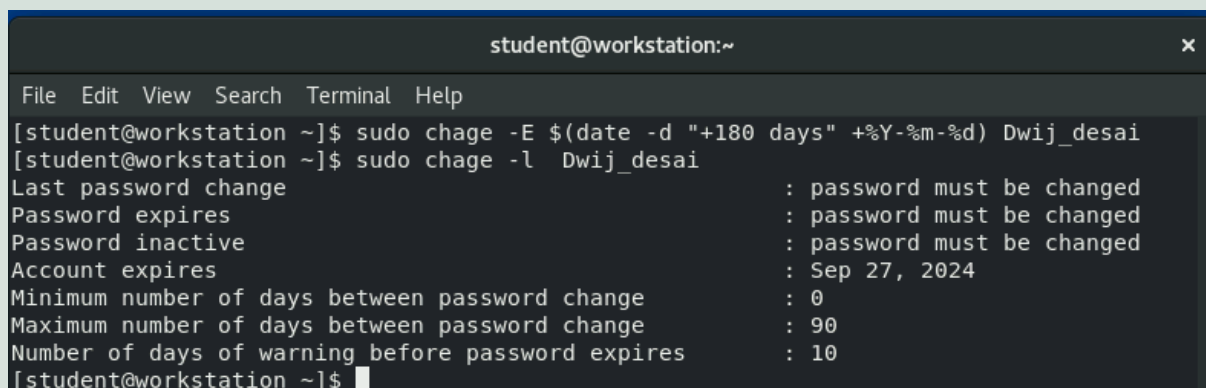
```
student@workstation:~
File Edit View Search Terminal Help
[student@workstation ~]$ sudo chage -M 90 -W 10 -I 15 Dwij_desai
[student@workstation ~]$ sudo chage -l Dwij_desai
Last password change           : password must be changed
Password expires                : password must be changed
Password inactive               : password must be changed
Account expires                : never
Minimum number of days between password change : 0
Maximum number of days between password change : 90
Number of days of warning before password expires : 10
[student@workstation ~]$
```

5. User's account must expire after 180 days from the date of user creation

Command:-

sudo chage -E \$(date -d "+180 days" +%Y-%m-%d) Dwij_desai

Screenshot:-



```
student@workstation:~
File Edit View Search Terminal Help
[student@workstation ~]$ sudo chage -E $(date -d "+180 days" +%Y-%m-%d) Dwij_desai
[student@workstation ~]$ sudo chage -l Dwij_desai
Last password change           : password must be changed
Password expires                : password must be changed
Password inactive               : password must be changed
Account expires                : Sep 27, 2024
Minimum number of days between password change : 0
Maximum number of days between password change : 90
Number of days of warning before password expires : 10
[student@workstation ~]$
```

6. Verify the password policy

Command:-

sudo chage -l Dwij_desai

Screenshot:-

```
student@workstation:~  
File Edit View Search Terminal Help  
[student@workstation ~]$ sudo chage -l Dwij_desai  
Last password change           : password must be changed  
Password expires               : password must be changed  
Password inactive              : password must be changed  
Account expires                : Sep 27, 2024  
Minimum number of days between password change : 0  
Maximum number of days between password change : 90  
Number of days of warning before password expires : 10  
[student@workstation ~]$
```