ASSIGNMENT-1 SECURE USER ACESS MANAGEMENT

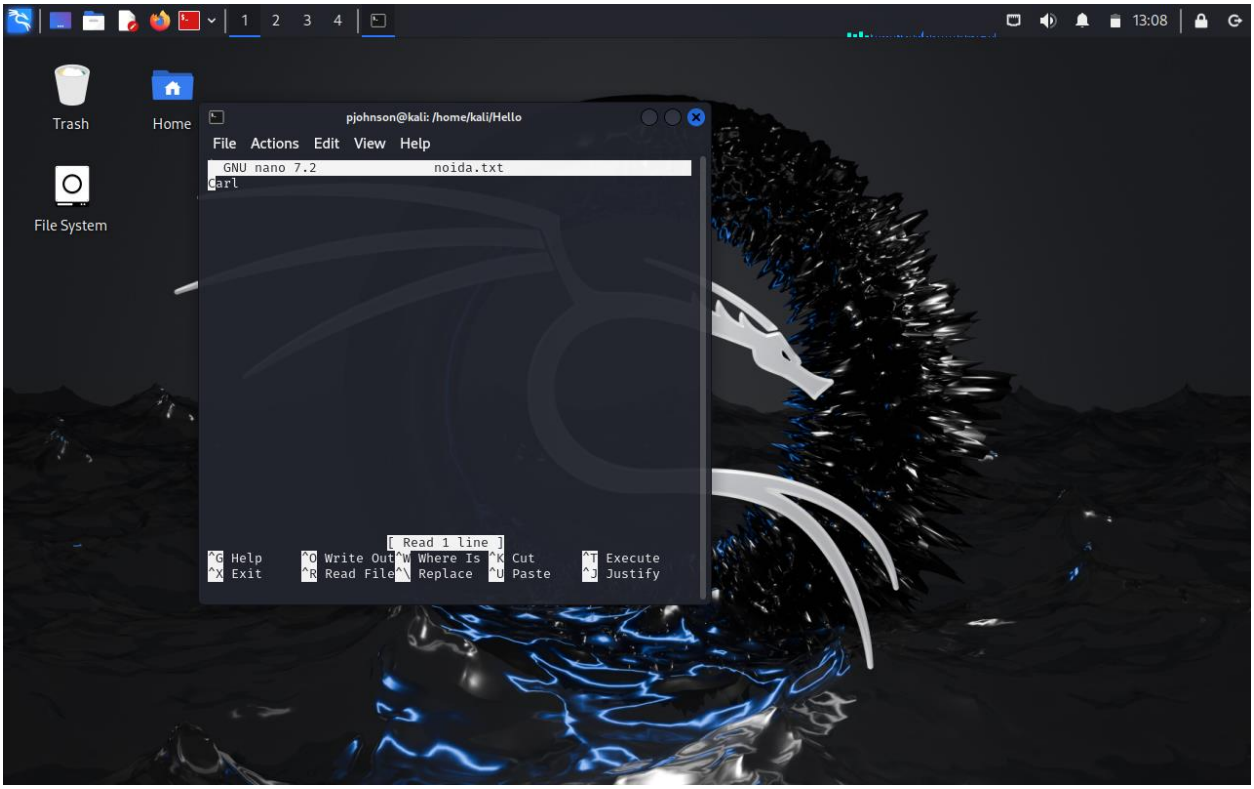
First creating user using command **<sudo adduser pjohnson>** user is created

Saving file to linux (noida.txt) .

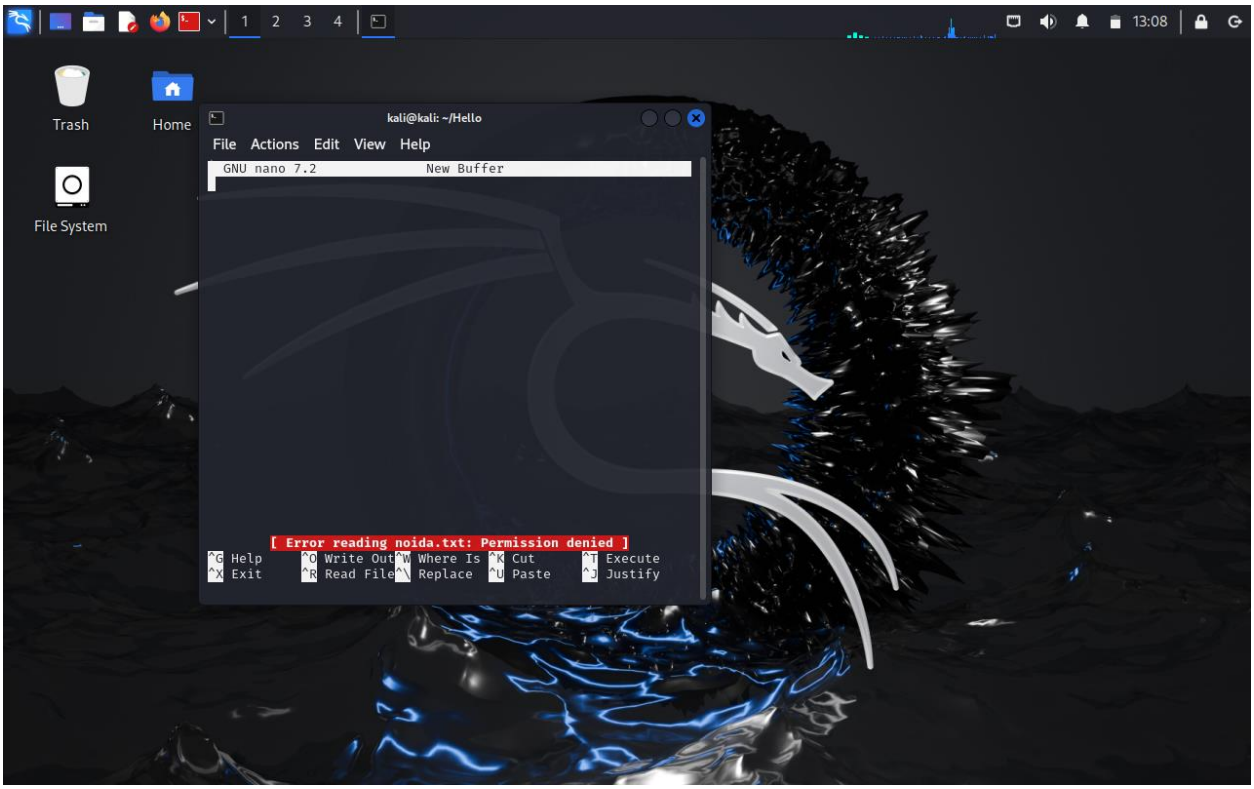
By using **sudo chown pjohnson noida.txt** we can the change ownership .

By using sudo chmod 700 noida.txt only pjohnson can acess the file as owner.

So no one is able to acess the file expect pjohnson


1 2 3 4
13:08
Trash
Home
File System
pjohnson@kali: /home/kali/Hello
File Actions Edit View Help
GNU nano 7.2 noida.txt
carl
[Read 1 line]
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify

1 2 3 4
13:09
Trash
Home
File System
Screenshot taken
View image
hema@kali: /home/kali/Hello
File Actions Edit View Help
┌──(pjohnson㉿kali)-[/home/kali/Hello]
└─$ nano noida.txt
┌──(pjohnson㉿kali)-[/home/kali/Hello]
└─$ su kali
Password:
┌──(kali㉿kali)-[~/Hello]
└─$ nano noida.txt
┌──(kali㉿kali)-[~/Hello]
└─$ nano noida.txt
┌──(kali㉿kali)-[~/Hello]
└─$ su pjohnson
Password:
┌──(pjohnson㉿kali)-[/home/kali/Hello]
└─$ nano noida.txt
┌──(pjohnson㉿kali)-[/home/kali/Hello]
└─$ su hema
Password:
┌──(hema㉿kali)-[/home/kali/Hello]
└─$ nano noida.txt
┌──(hema㉿kali)-[/home/kali/Hello]
└─$



Lab-2

Government folder is saved on to desktop .

After that using **<sudo adduser jignesh > password- india**

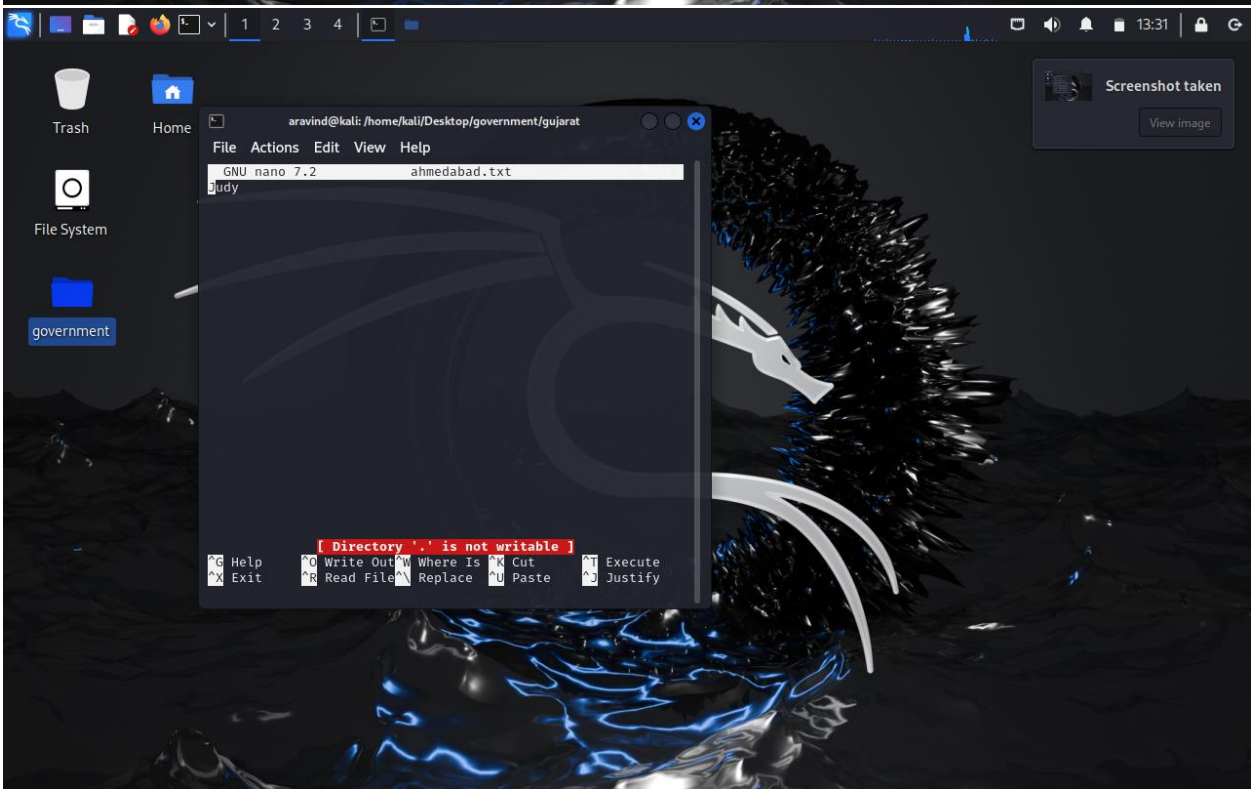
<sudo adduser aravind > password – india

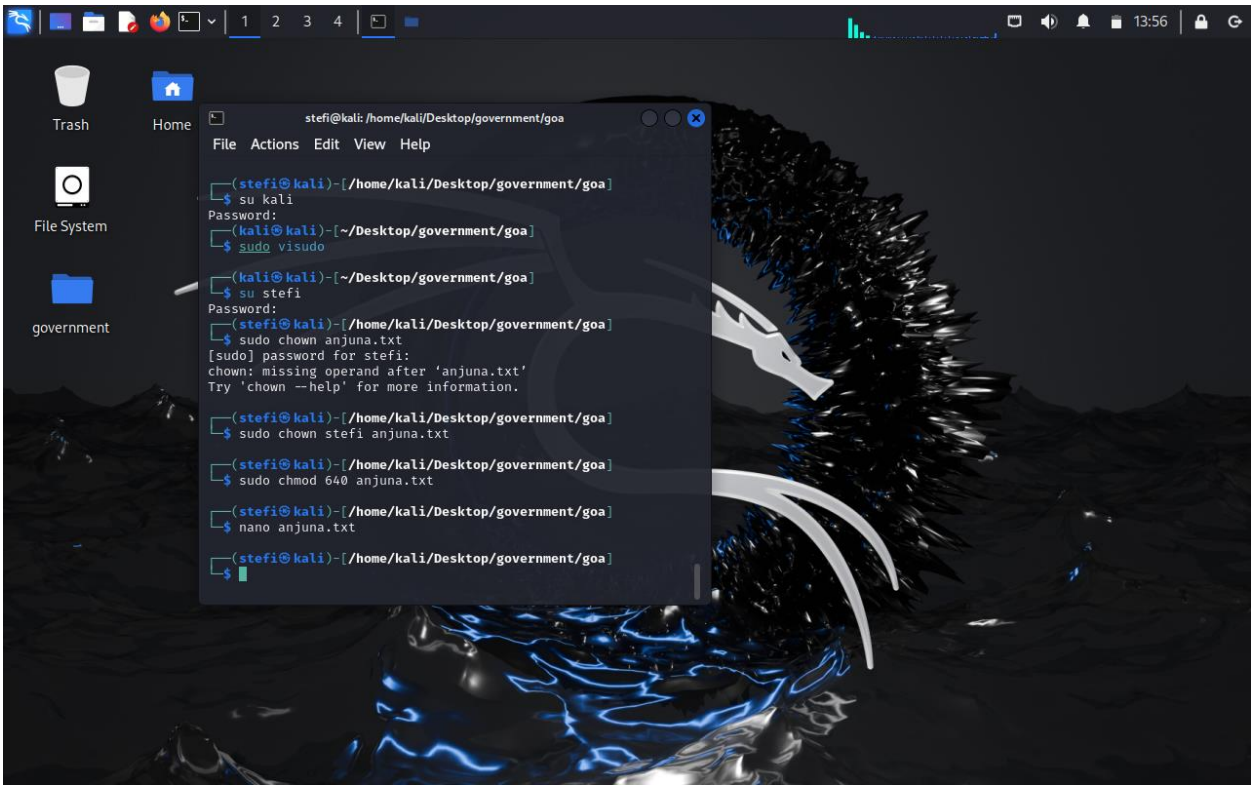
<sudo adduser stefi> password- india. We have created users

By using command cd home/kali/ Desktop/government we can acess the dirctory

As the user jignesh change the ownership of gujarat **<sudo chown jignesh gujarat>** we can use the command change the permissions**< sudo chmod 777 gujarat**> then by using the same command change the permission of ahemedabad now now switch to other user by using command **<su aravind>Nano ahemedabad** so aravind can only read the file cannot write the file

1 2 3 4
13:31
Trash
Home
File System
government
aravind@kali: /home/kali/Desktop/government/gujarat
File Actions Edit View Help
└─$ su jignesh
Password:
┌──(jignesh㉿kali)-[/home/kali]
└─$ cd Desktop
┌──(jignesh㉿kali)-[/home/kali/Desktop]
└─$ cd government
┌──(jignesh㉿kali)-[/home/kali/Desktop/government]
└─$ sudo chmod 755 Gujarat
[sudo] password for jignesh:
chmod: cannot access 'Gujarat': No such file or directory
┌──(jignesh㉿kali)-[/home/kali/Desktop/government]
└─$ sudo chmod 755 gujarat
┌──(jignesh㉿kali)-[/home/kali/Desktop/government]
└─$ sudo chmod 777 gujarat/ahmedabad.txt
┌──(jignesh㉿kali)-[/home/kali/Desktop/government]
└─$ su aravind
Password:
┌──(aravind㉿kali)-[/home/kali/Desktop/government]
└─$ cd gujarat
┌──(aravind㉿kali)-[/home/kali/Desktop/government/gujarat]
└─$ nano ahmedabad.txt

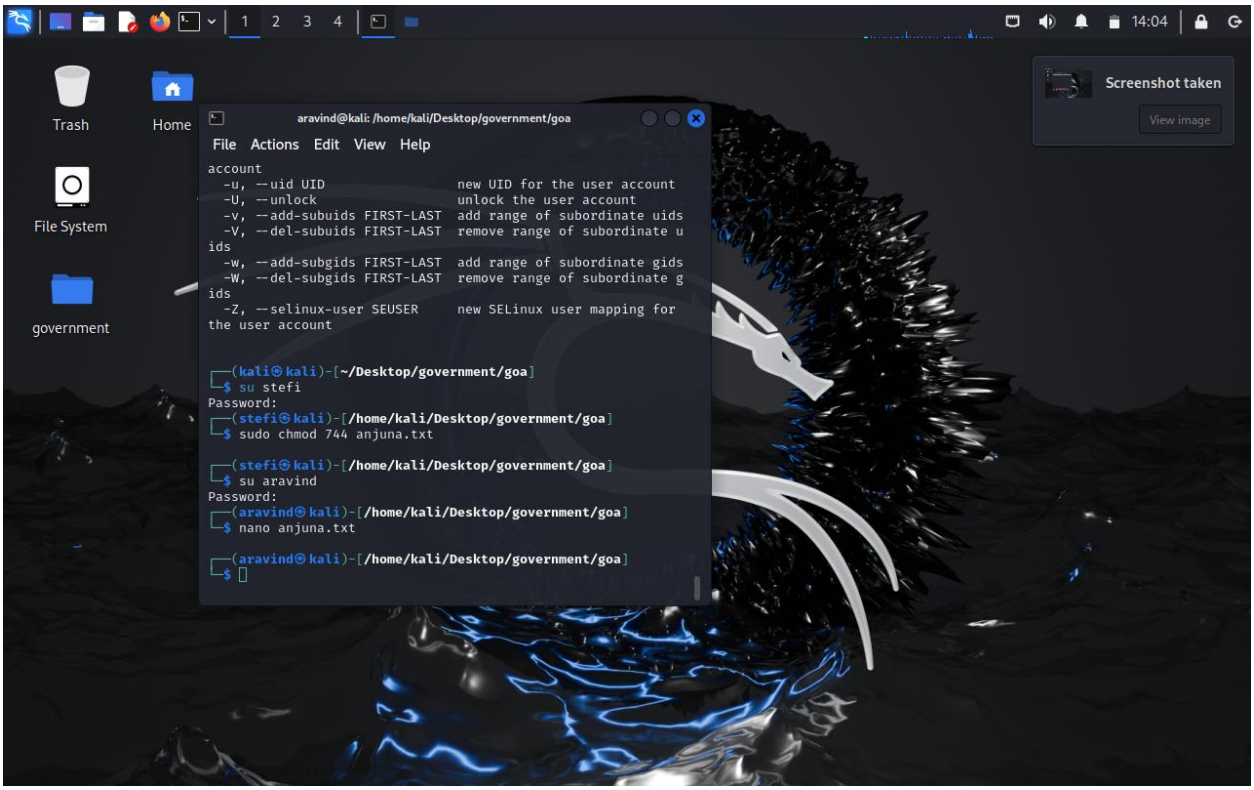

1 2 3 4
13:31
Screenshot taken
View image
Trash
Home
File System
government
aravind@kali: /home/kali/Desktop/government/gujarat
File Actions Edit View Help
GNU nano 7.2 ahmedabad.txt
judy
[Directory '.' is not writable]
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify



Then we have other directory delhi to that we are using change mod

So stefi cannot acess delhi

1 2 3 4
13:57
Trash
Home
File System
government
aravind@kali: /home/kali/Desktop/government/goa
File Actions Edit View Help
GNU nano 7.2 New Buffer
[Error reading anjuna.txt: Permission denied]
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify


1 2 3 4
14:04
Screenshot taken
View image
Trash
Home
File System
government
aravind@kali: /home/kali/Desktop/government/goa
File Actions Edit View Help
account
-u, --uid UID new UID for the user account
-U, --unlock unlock the user account
-v, --add-subuids FIRST-LAST add range of subordinate uids
-V, --del-subuids FIRST-LAST remove range of subordinate u
ids
-w, --add-subgids FIRST-LAST add range of subordinate gids
-W, --del-subgids FIRST-LAST remove range of subordinate g
ids
-Z, --selinux-user SEUSER new SELinux user mapping for
the user account
┌──(kali㉿kali)-[~/Desktop/government/goa]
└─$ su stefi
Password:
┌──(stefi㉿kali)-[/home/kali/Desktop/government/goa]
└─$ sudo chmod 744 anjuna.txt
┌──(stefi㉿kali)-[/home/kali/Desktop/government/goa]
└─$ su aravind
Password:
┌──(aravind㉿kali)-[/home/kali/Desktop/government/goa]
└─$ nano anjuna.txt
┌──(aravind㉿kali)-[/home/kali/Desktop/government/goa]
└─$

sudo chmod 744 goa/candolim.txt we will change permission so Jignesh can write the file and stefi can read the file