2023

Bash Project

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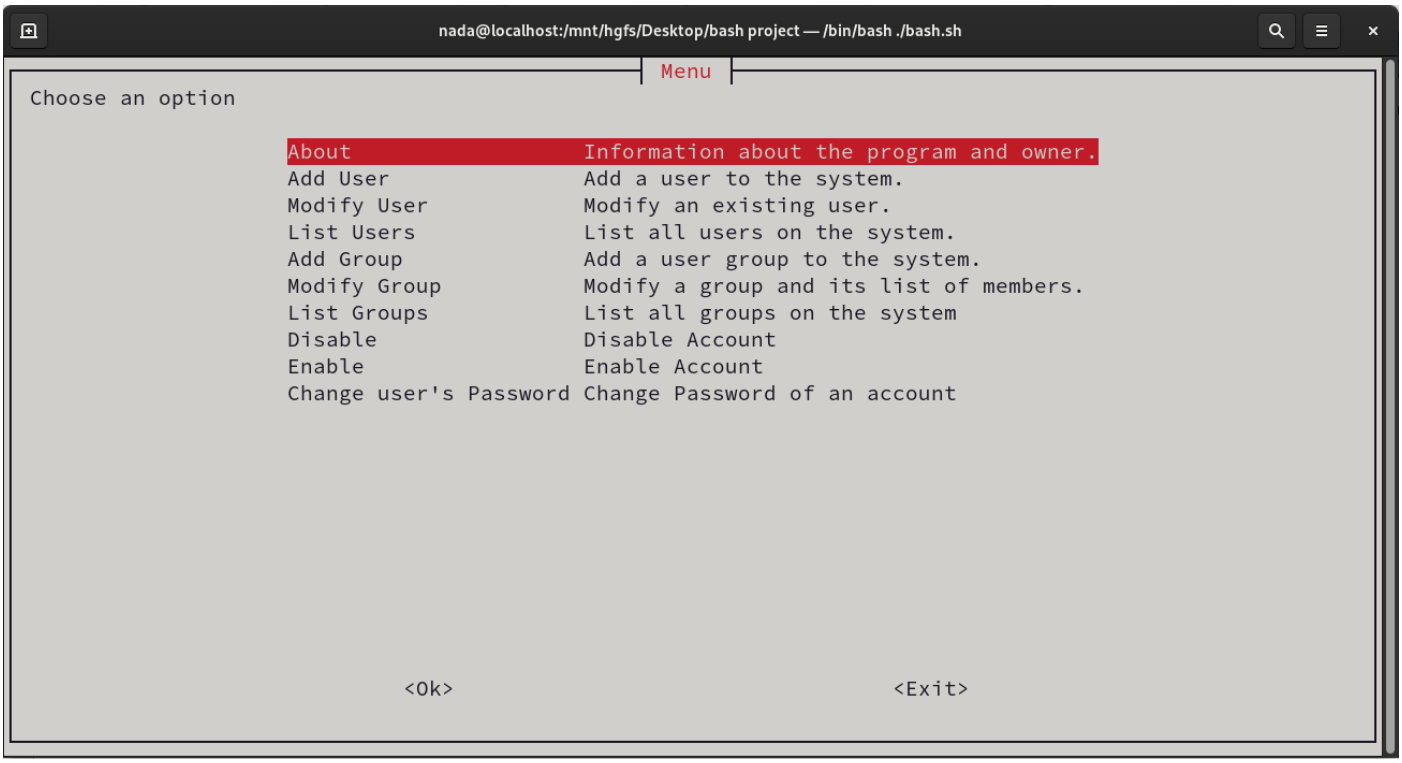
INSTRUCTOR: ROMANY NAGEH

➢ Main Menu

There are **10** options can be done in this program depend to your choice1



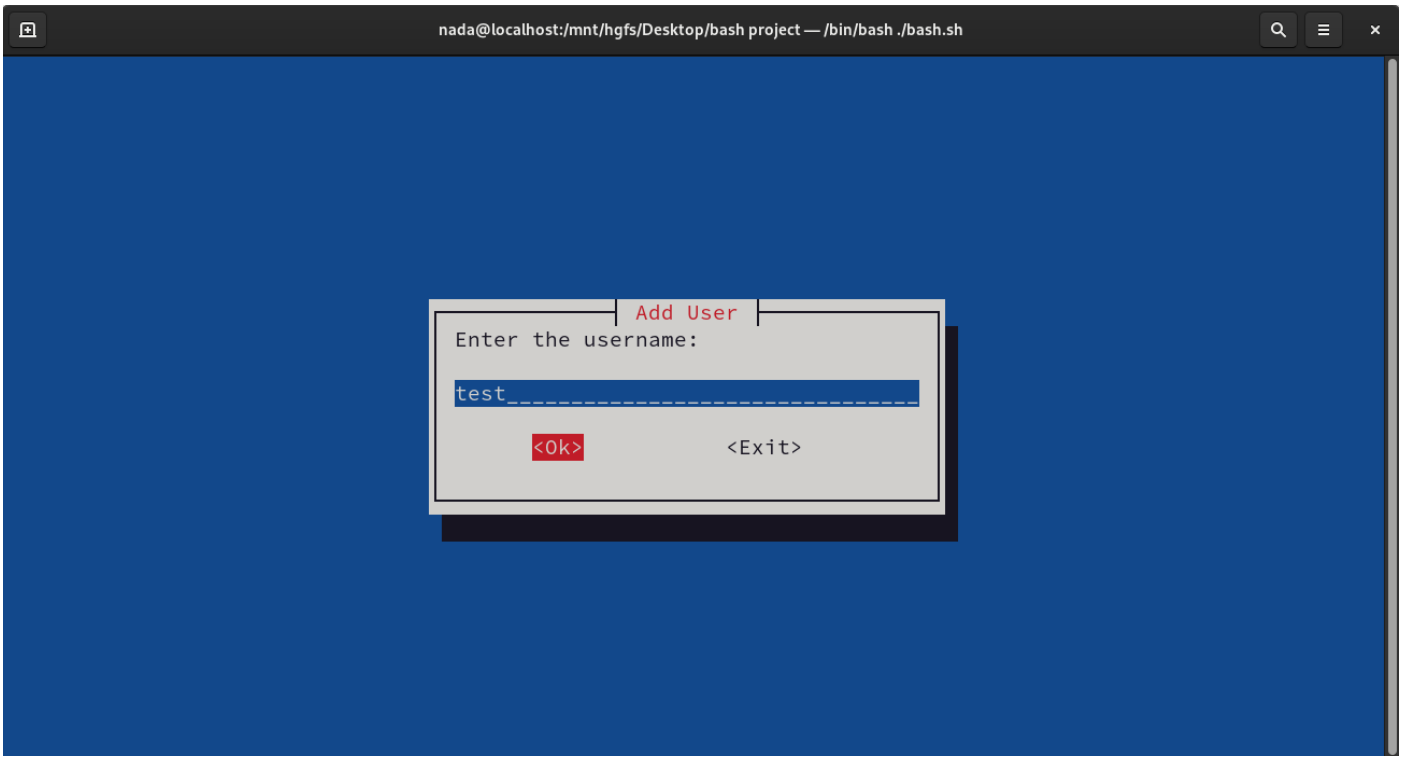
1st choice:

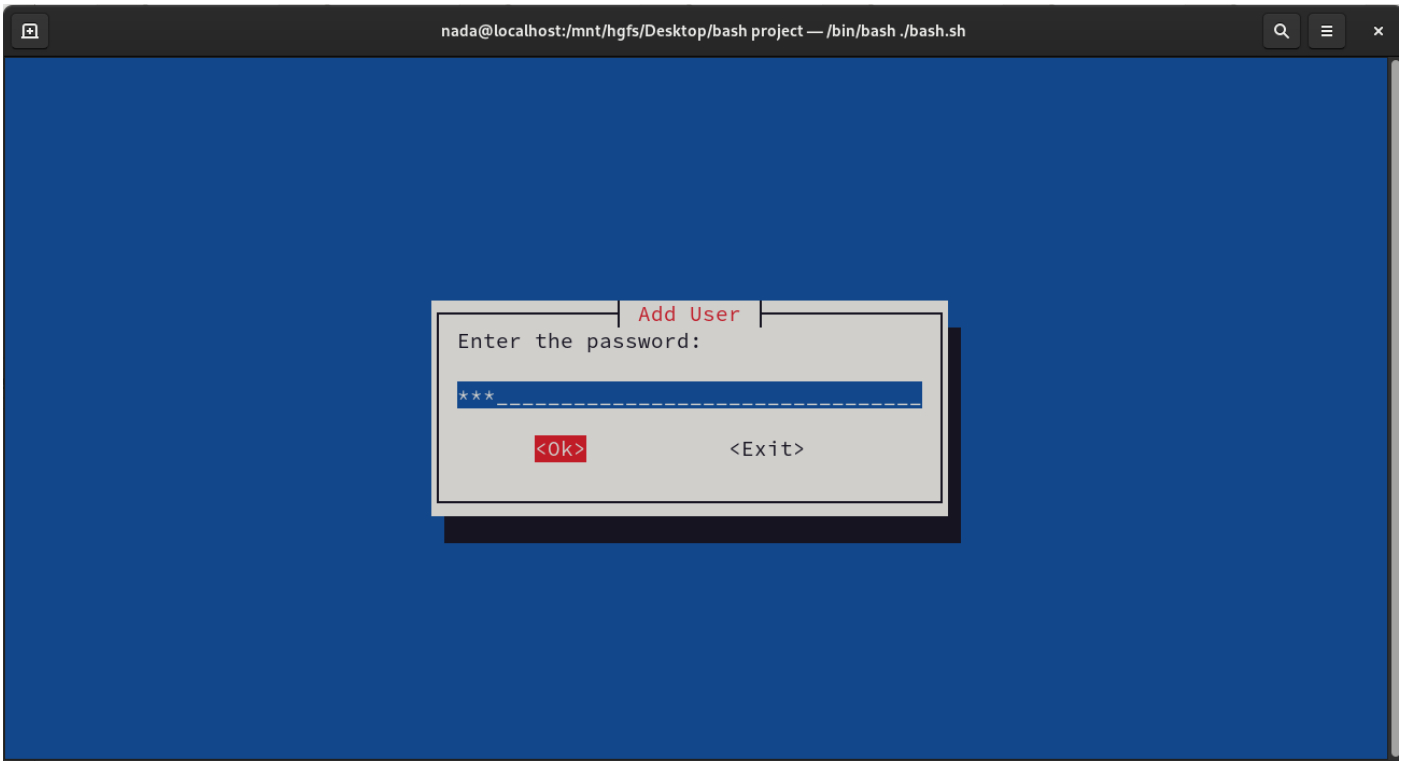
Show info about the program.

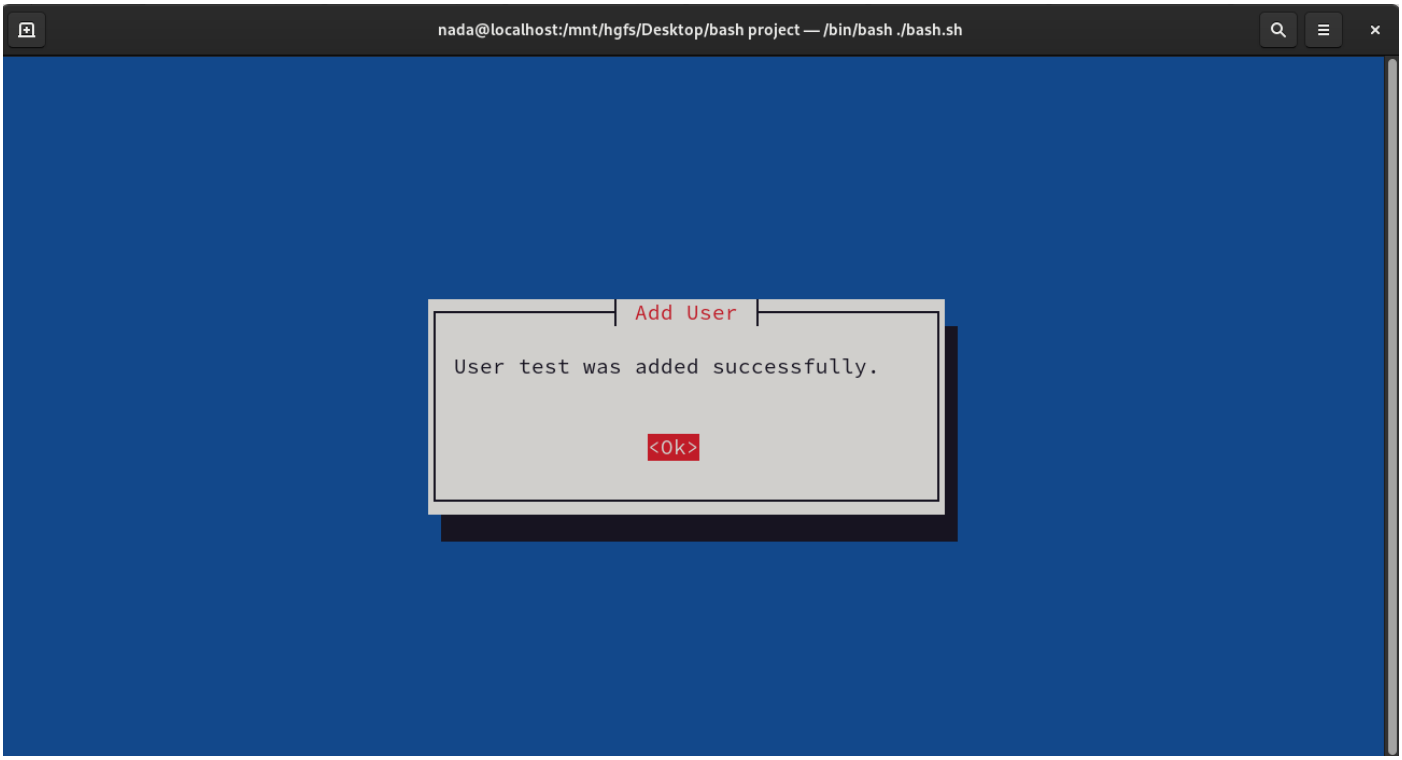
2nd choice:

Add new user with passwd, and check if the user existed before.

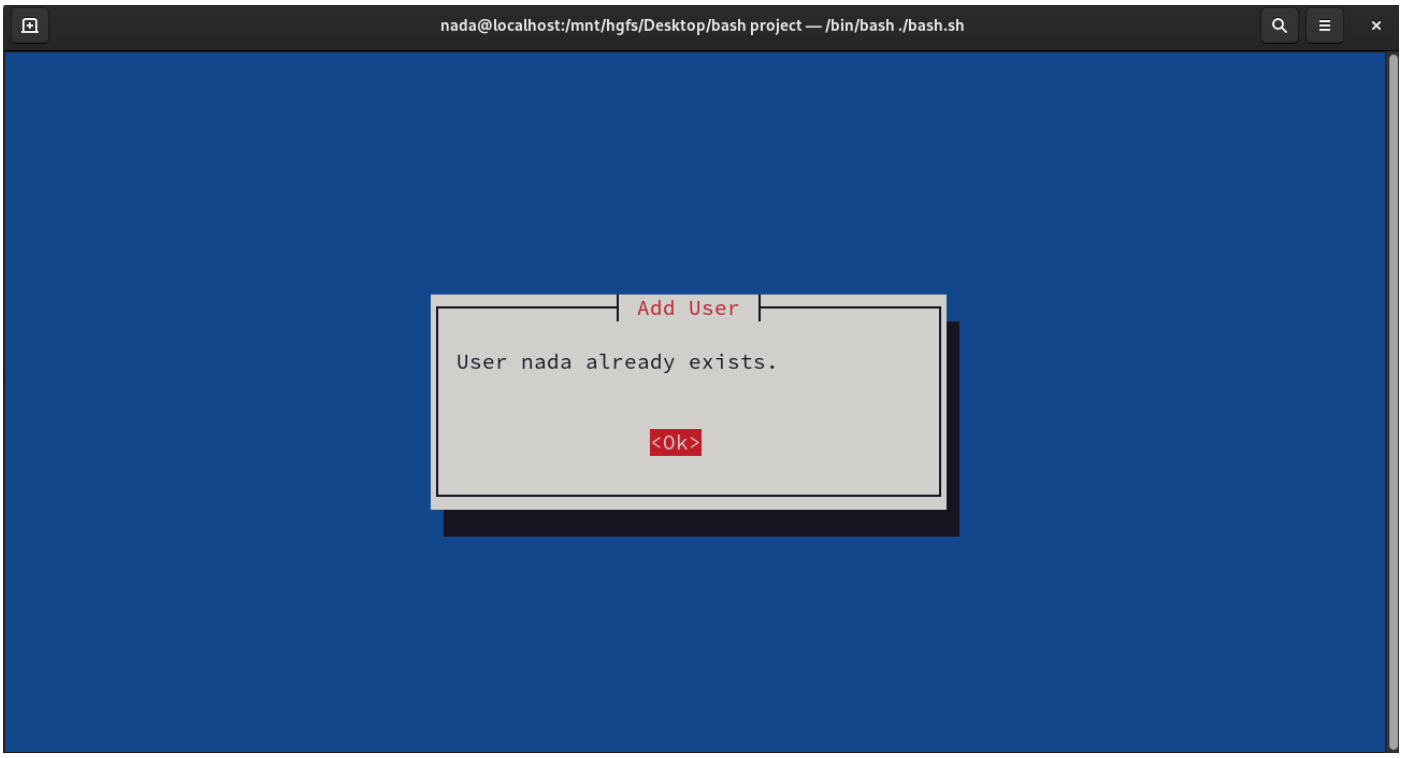
- Valid new user and password





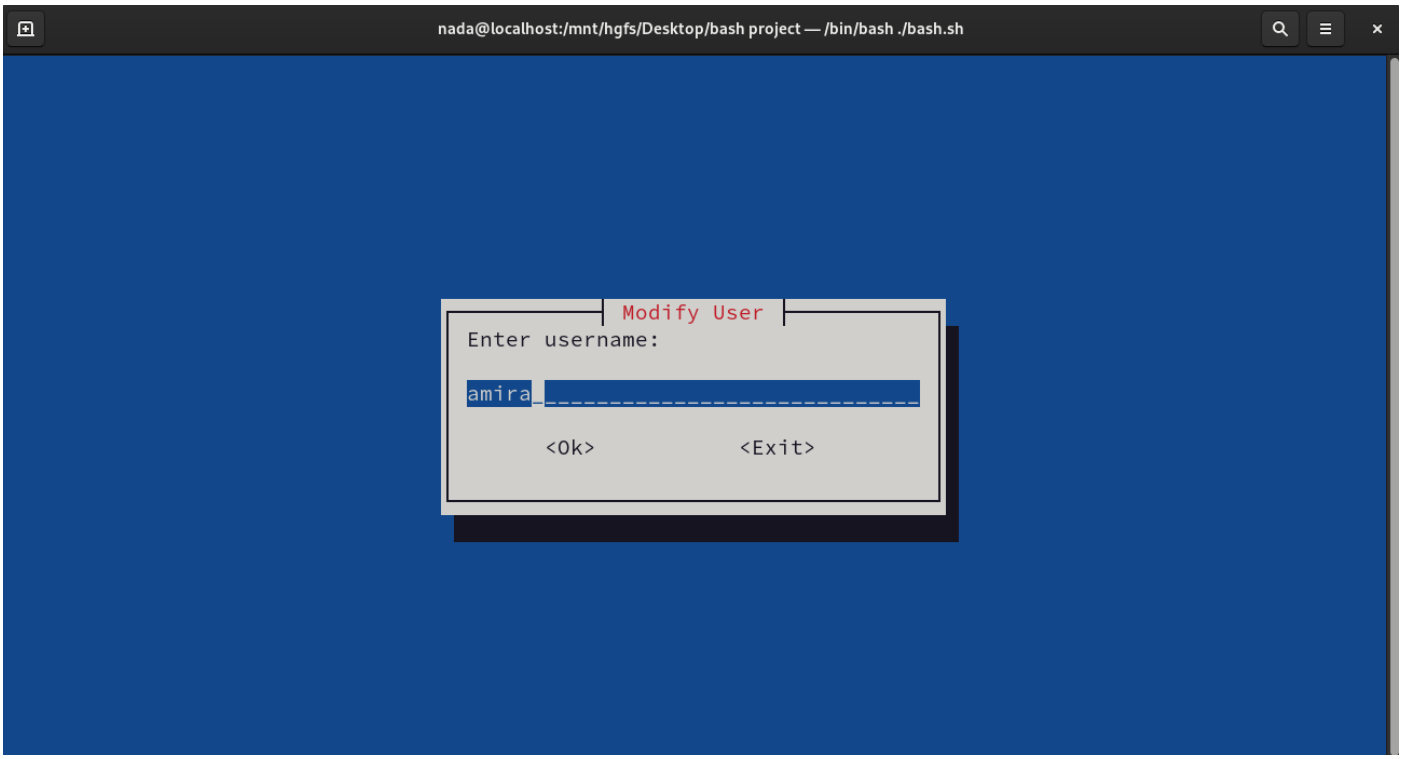


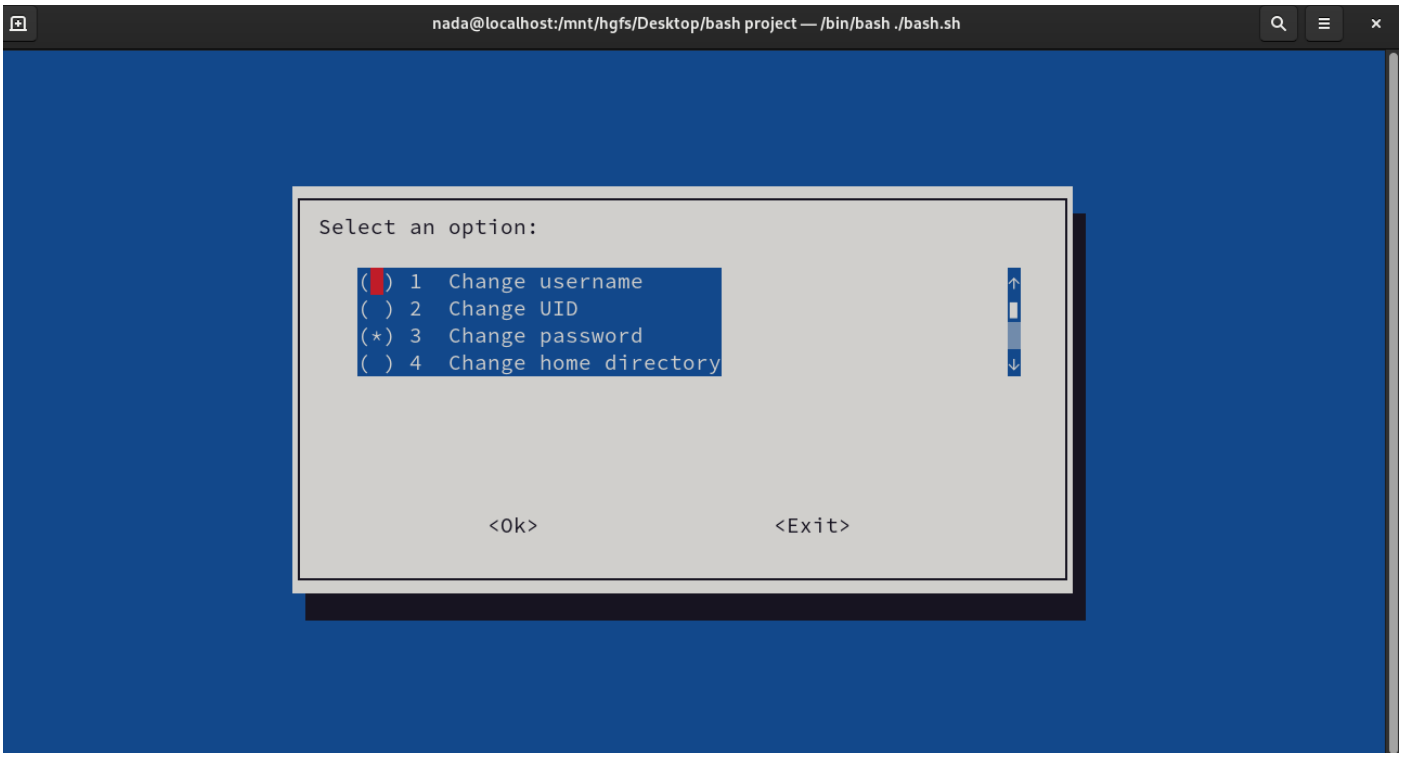
- When the user already existed.



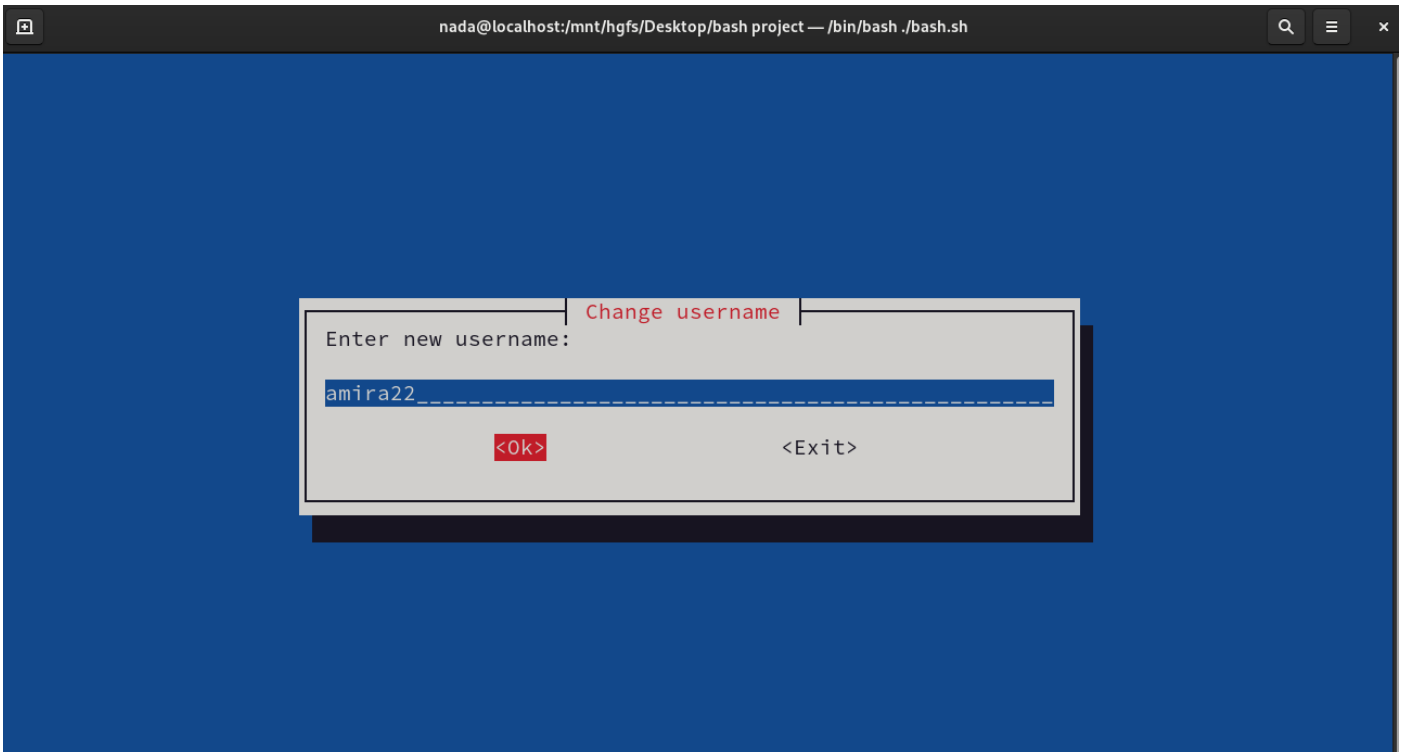
3rd choice:

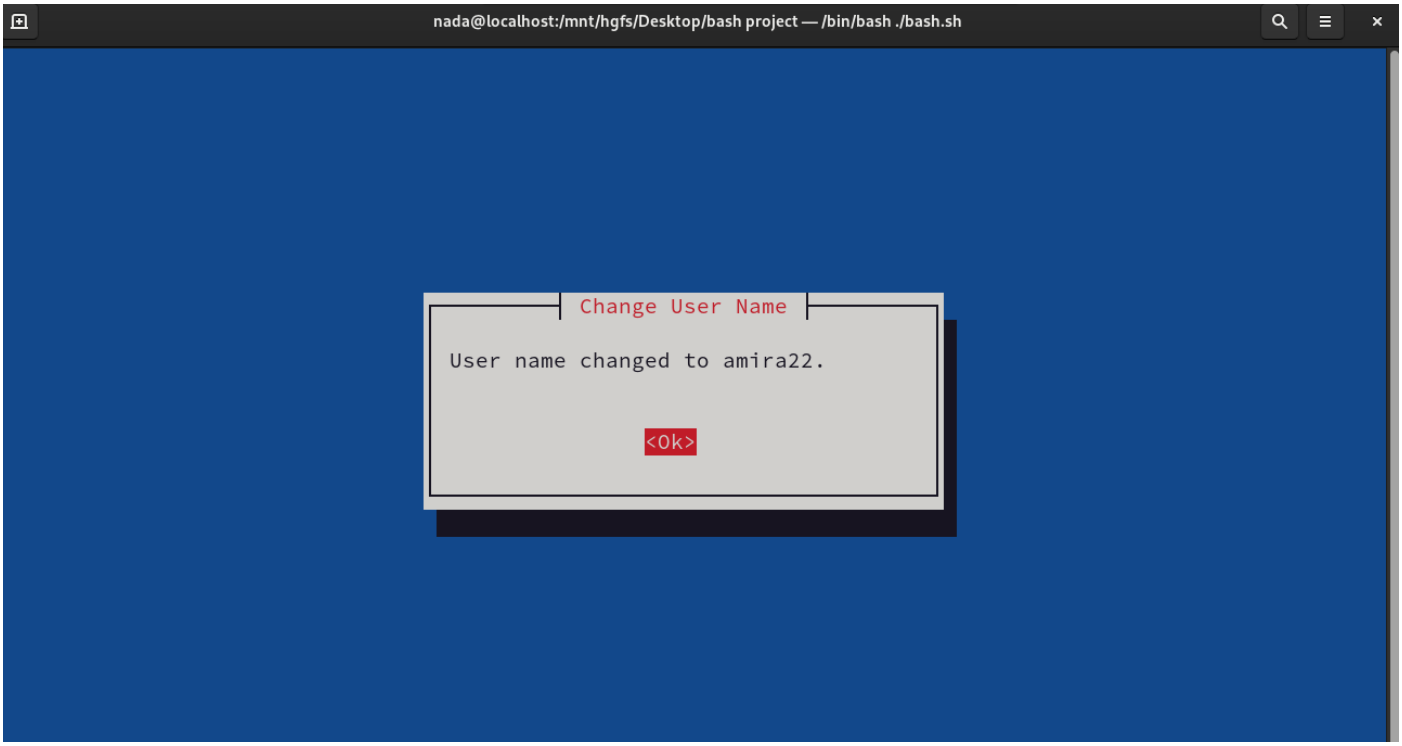
Modify existing user, with different options to do showed by scrolling list.





- Option (1): change username



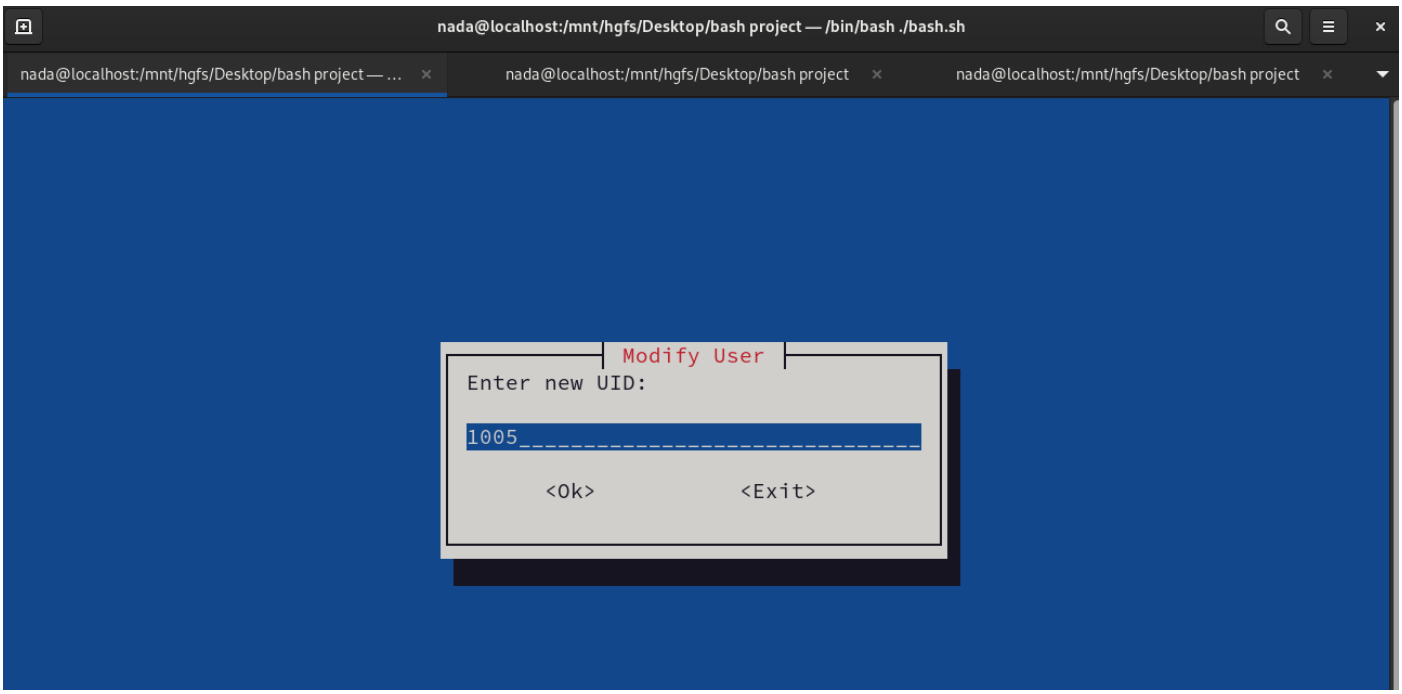


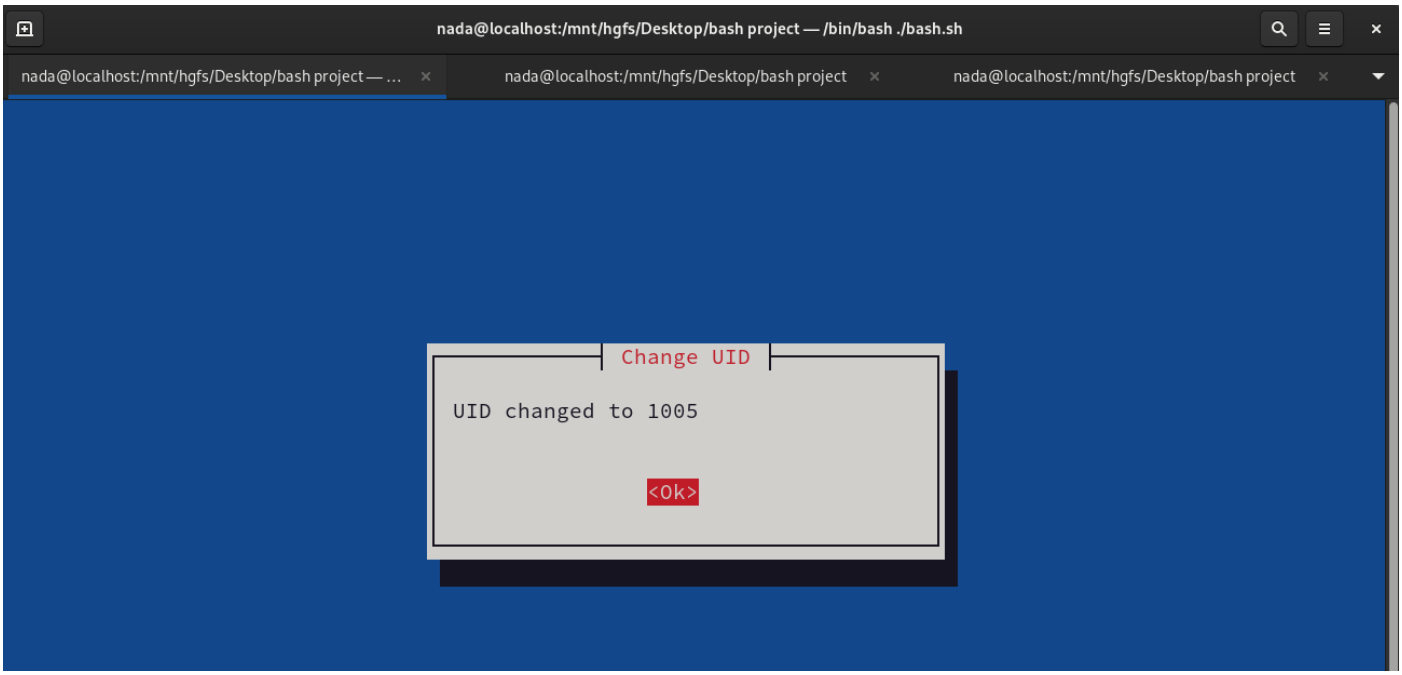
- Option (2): change UID

Before

```
[root@localhost bash project]# tail -1 /etc/passwd
amira22:x:1002:1002::/home/amira:/bin/bash
[root@localhost bash project]#
```

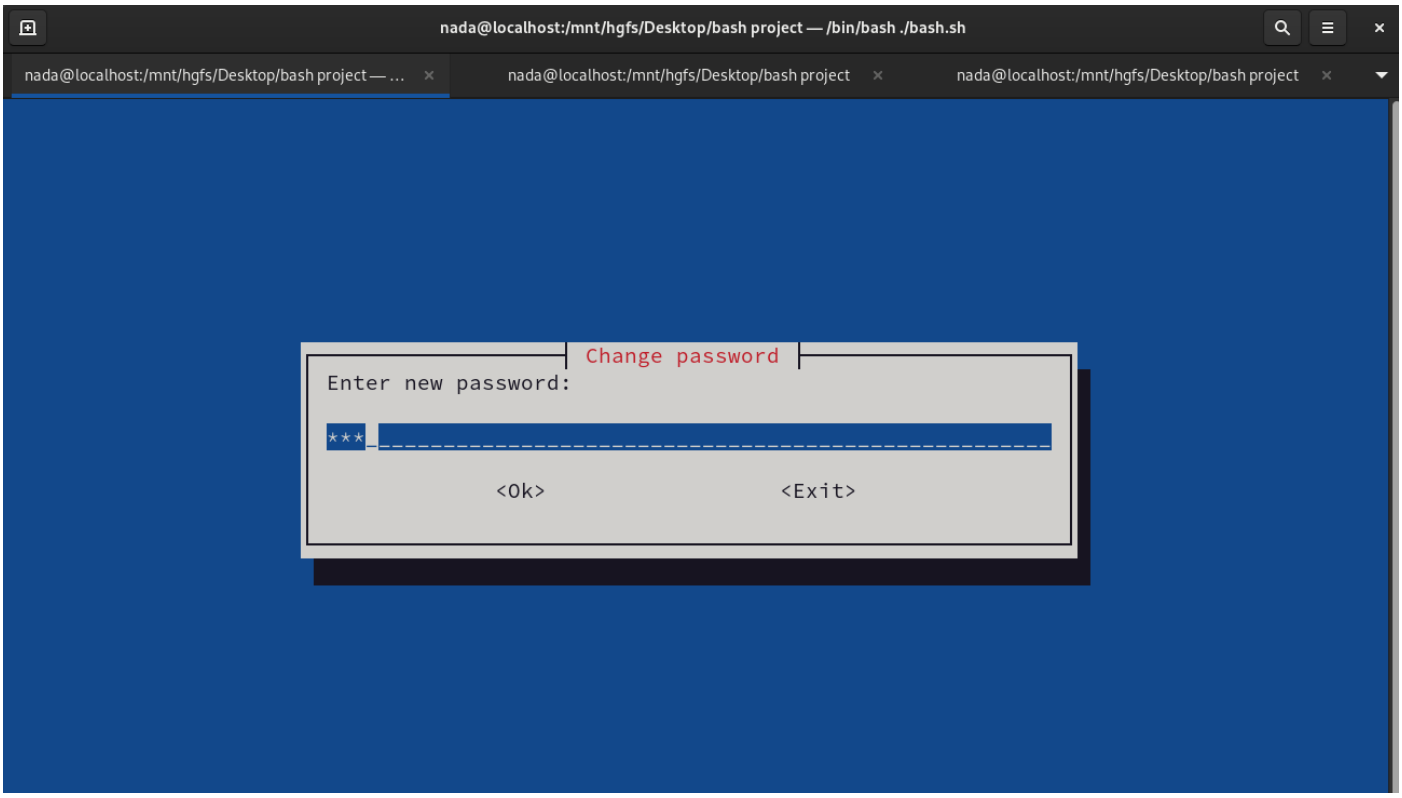
The process & After

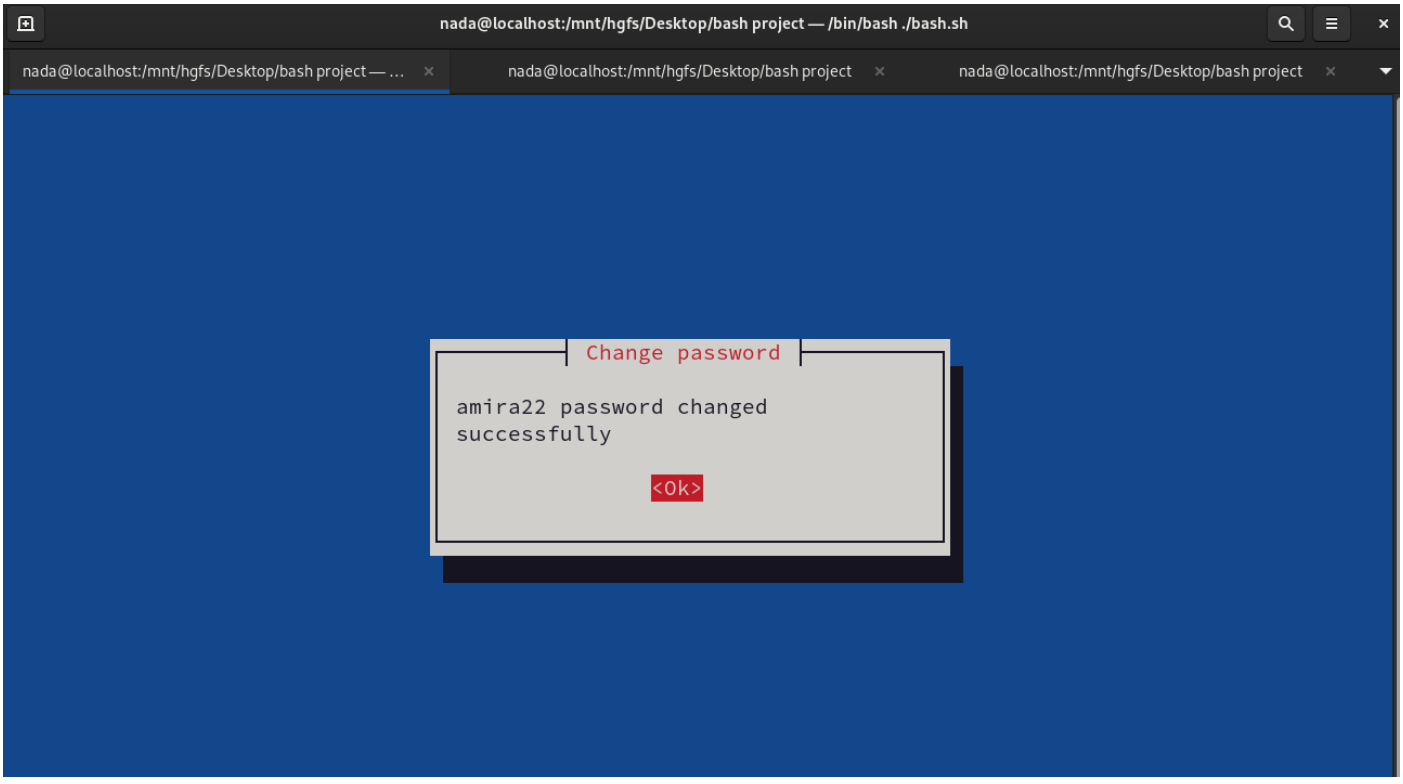





```
[root@localhost bash project]# tail -1 /etc/passwd
amira22:x:1005:1002::/home/amira:/bin/bash
[root@localhost bash project]#
```

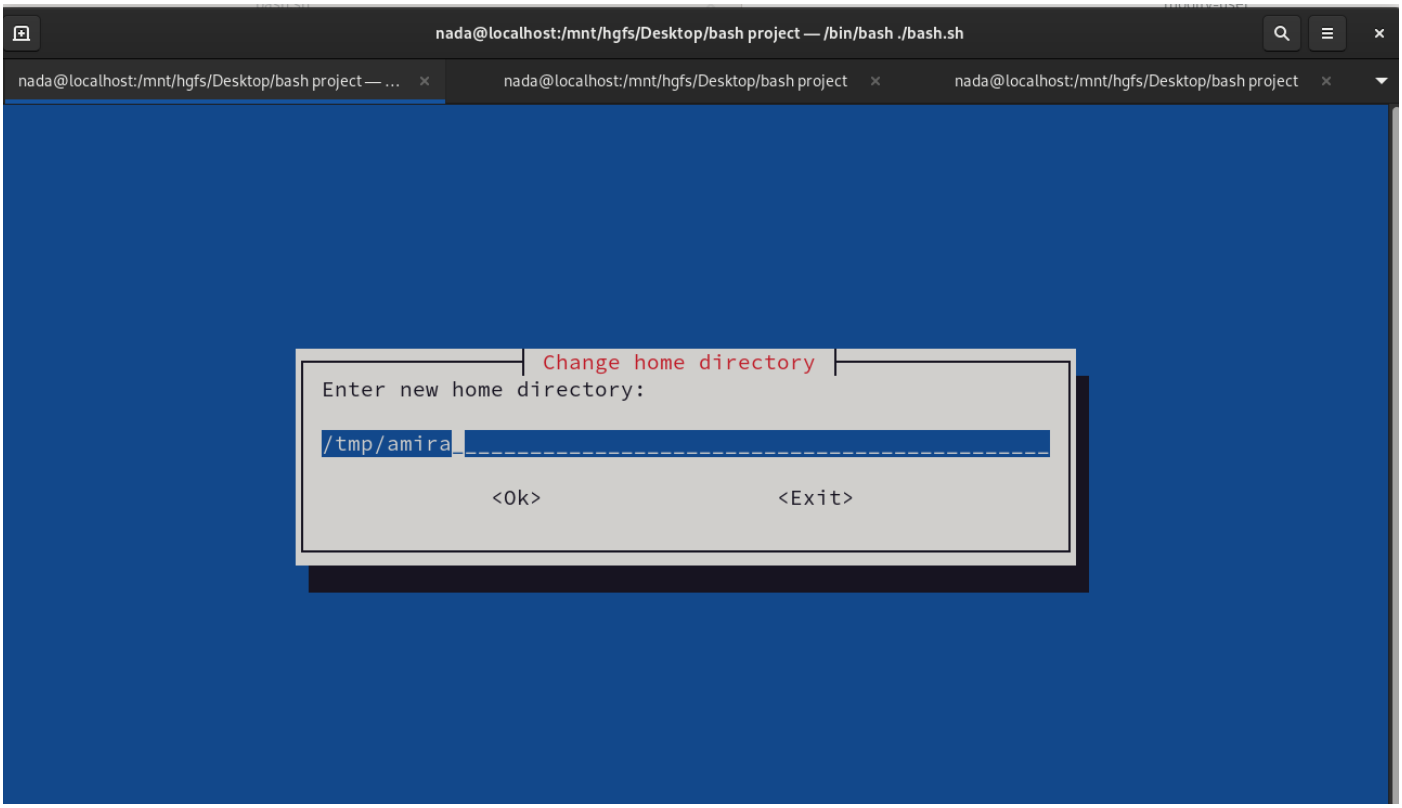
- Option (3): change password

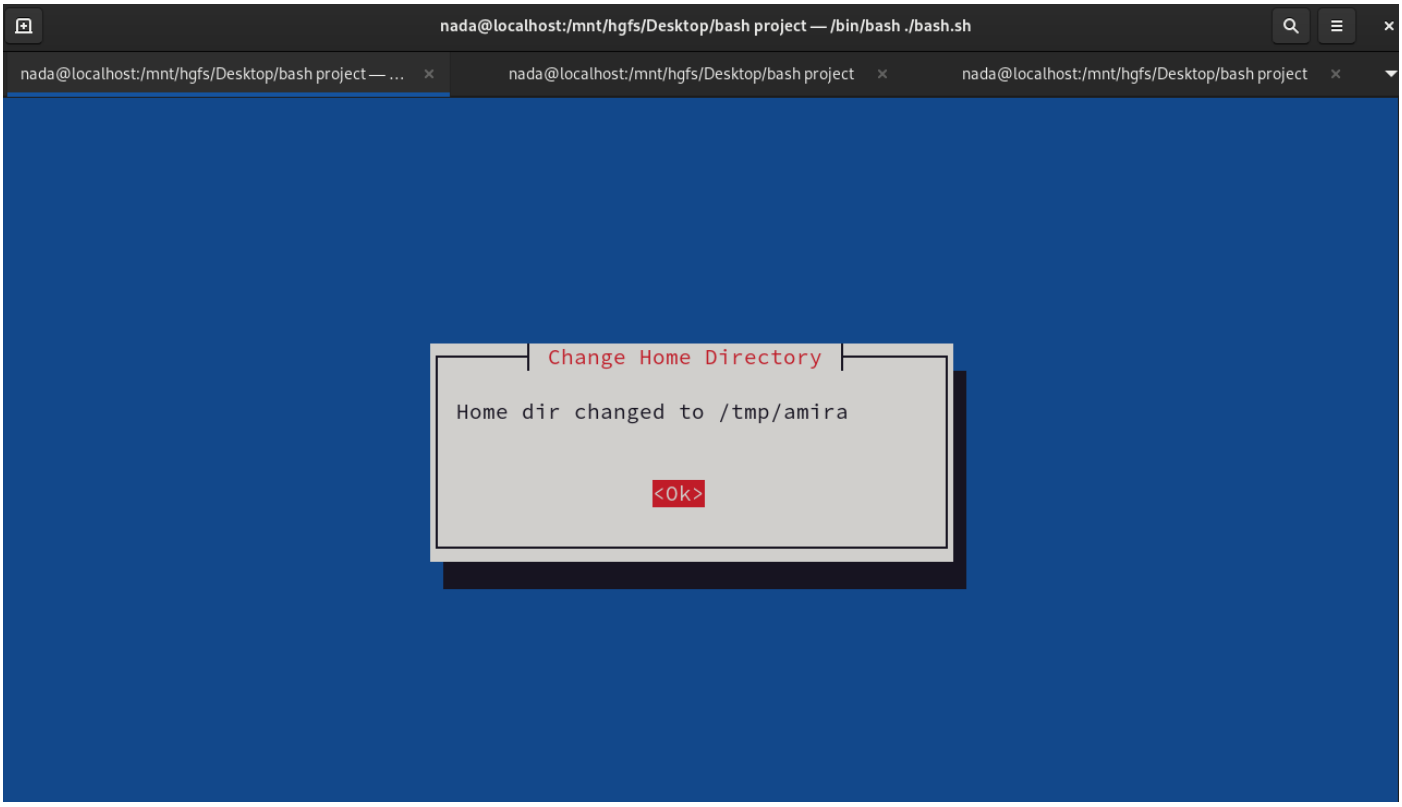




- Option (4): change home directory

```
[root@localhost bash project]# tail -1 /etc/passwd
amira22:x:1005:1002::/home/amira:/bin/bash
[root@localhost bash project]#
```





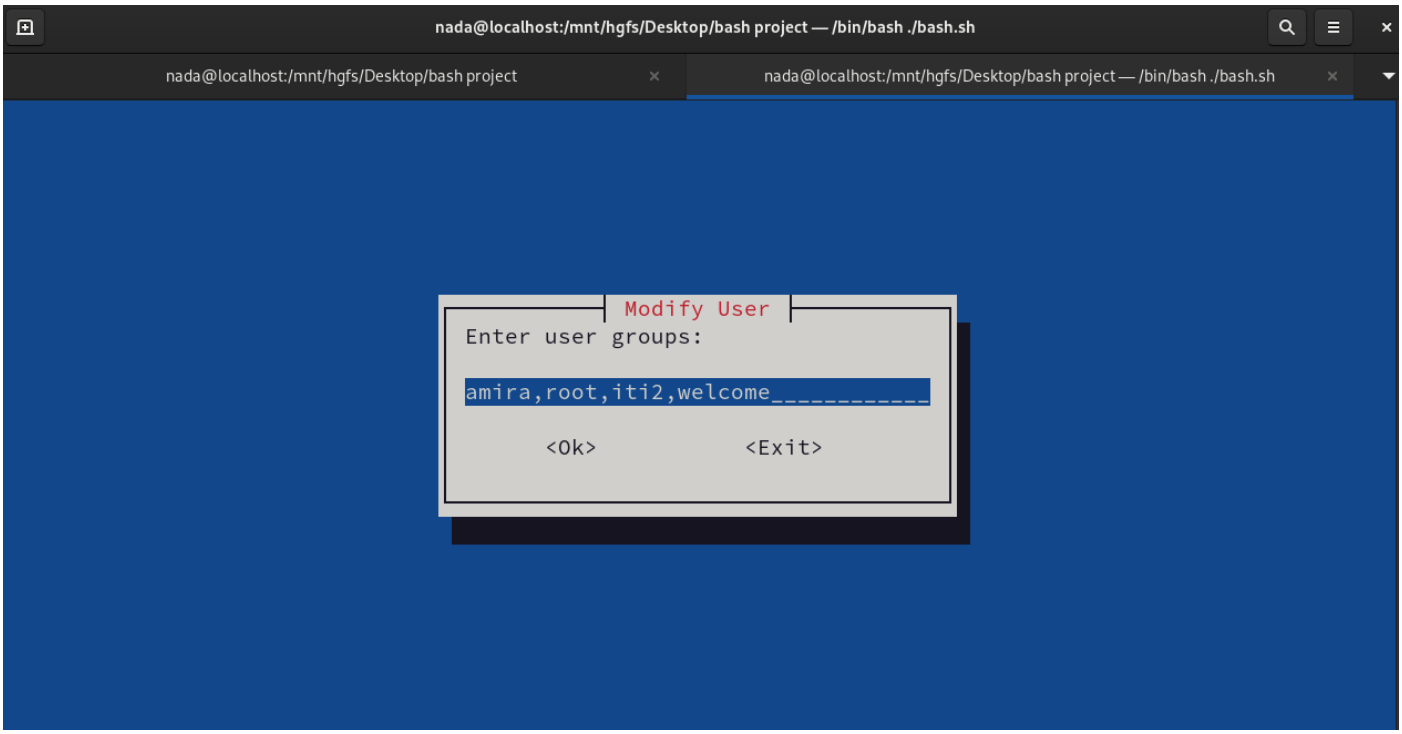

```
[root@localhost bash project]# tail -1 /etc/passwd
amira22:x:1005:1002::/tmp/amira:/bin/bash
[root@localhost bash project]#
```

- Option (5): add (append) user to groups.

Before

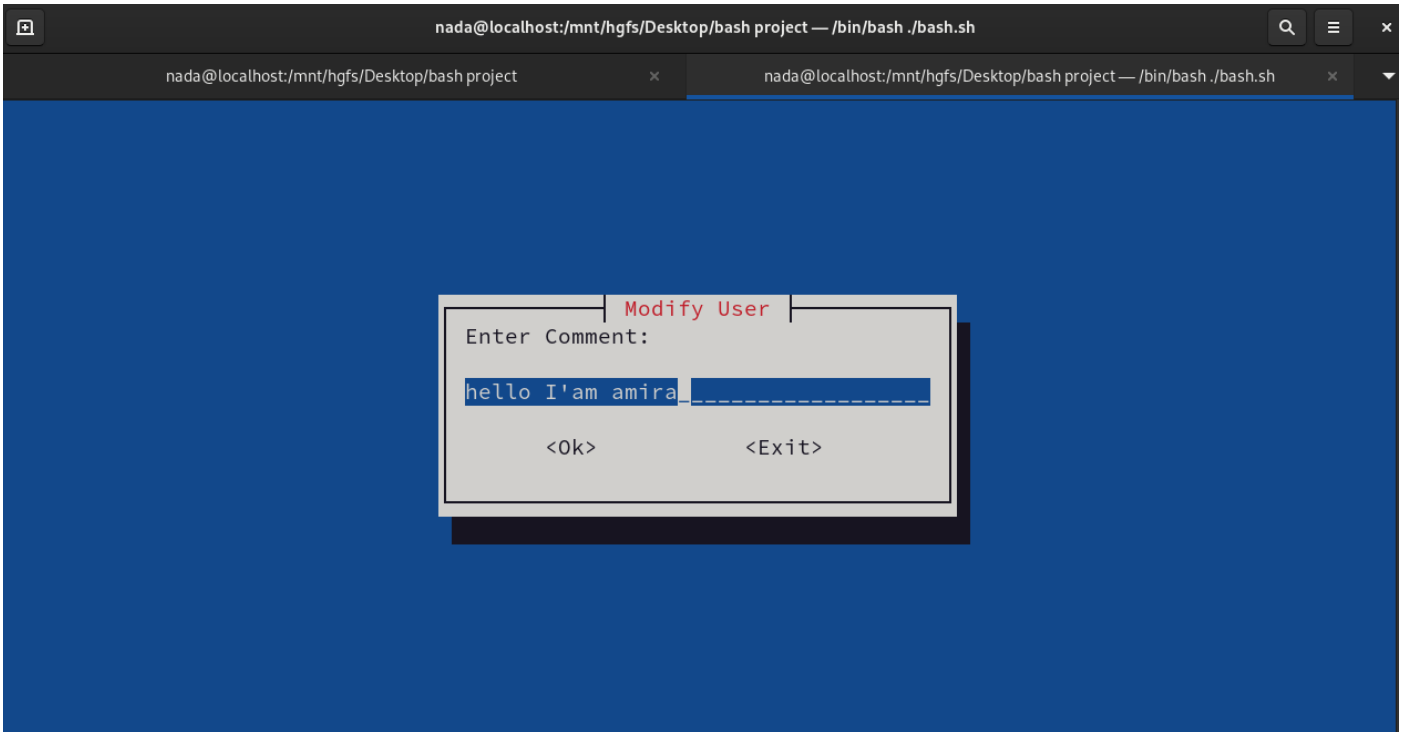
```
[root@localhost bash project]# groups amira22
amira22 : amira root iti2
[root@localhost bash project]#
```

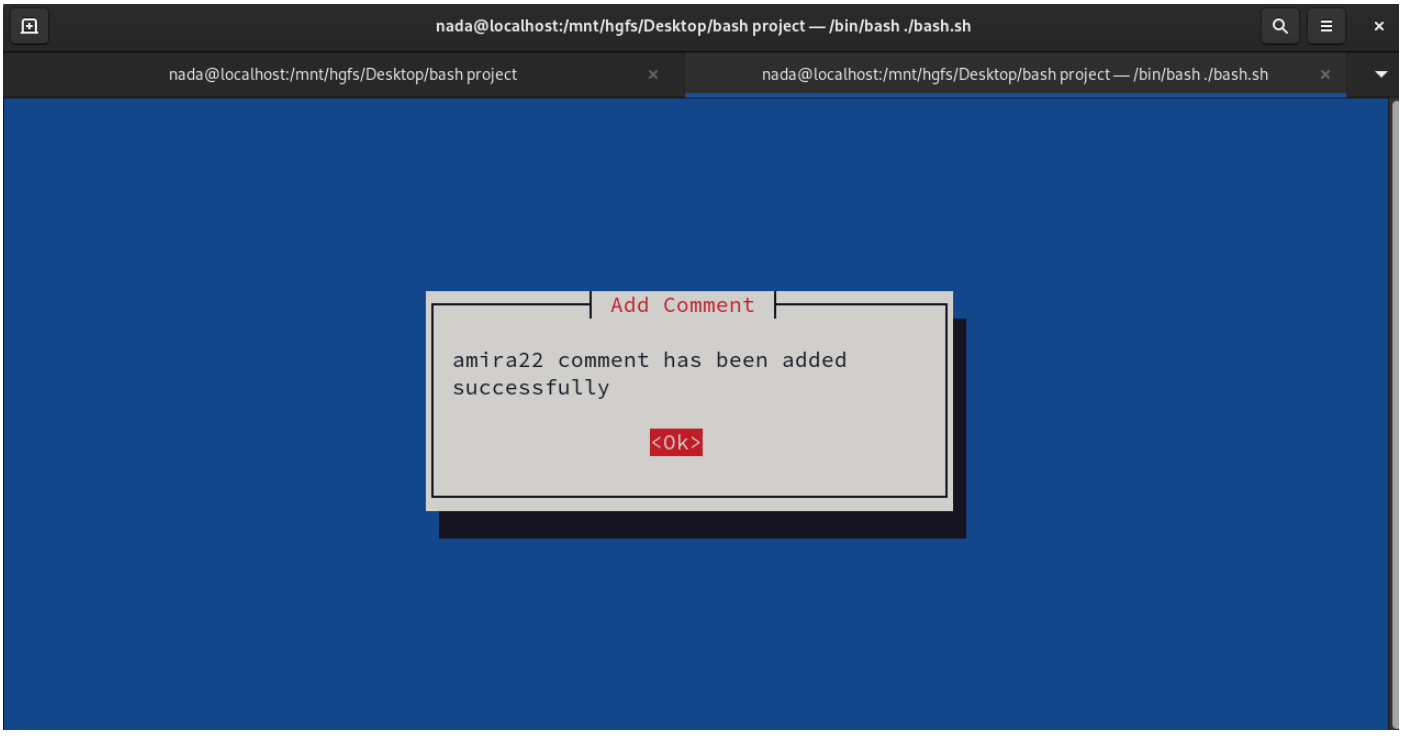
The process & After




```
[root@localhost bash project]# groups amira22
amira22 : amira root welcome iti2
[root@localhost bash project]#
```

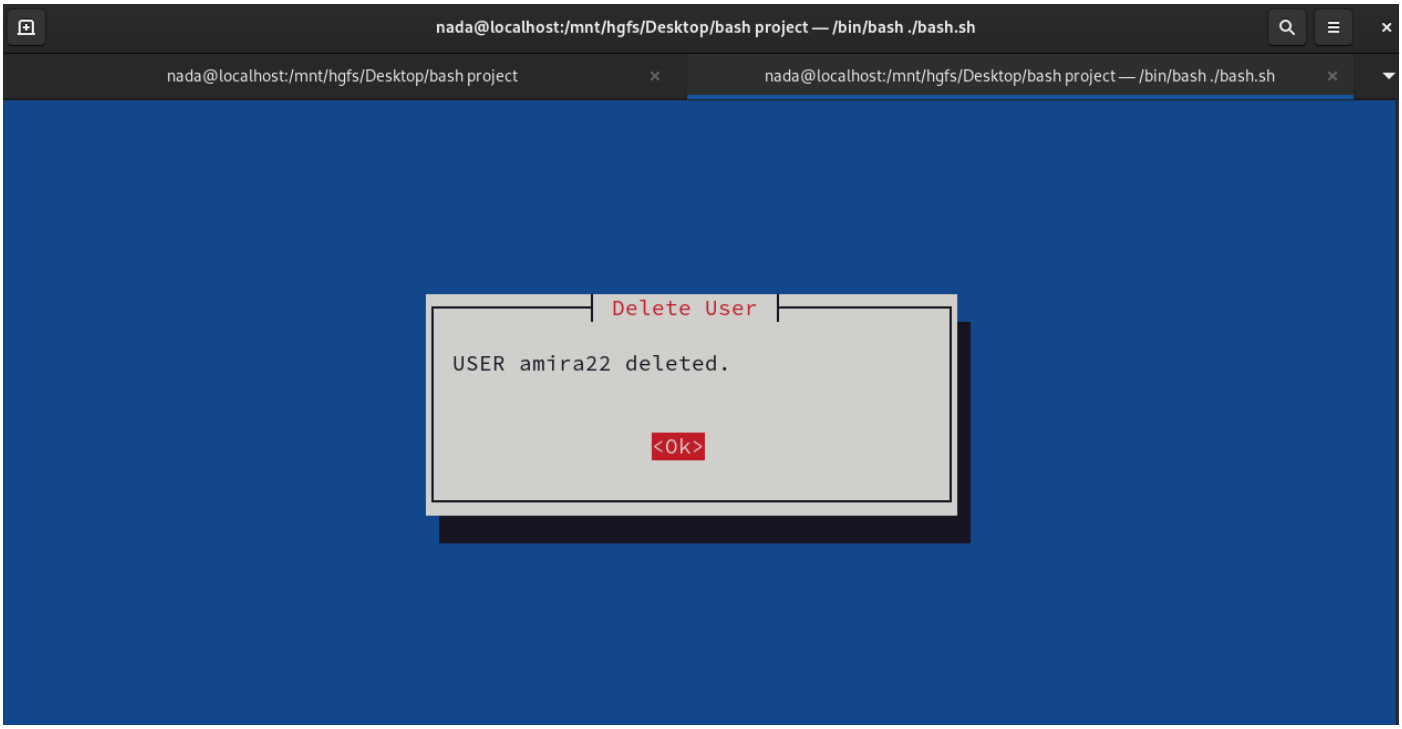
- Option (6): add comment.






```
[root@localhost bash project]# tail -1 /etc/passwd
amira22:x:1005:1002:hello I'm amira:/tmp/amira:/bin/bash
[root@localhost bash project]#
```

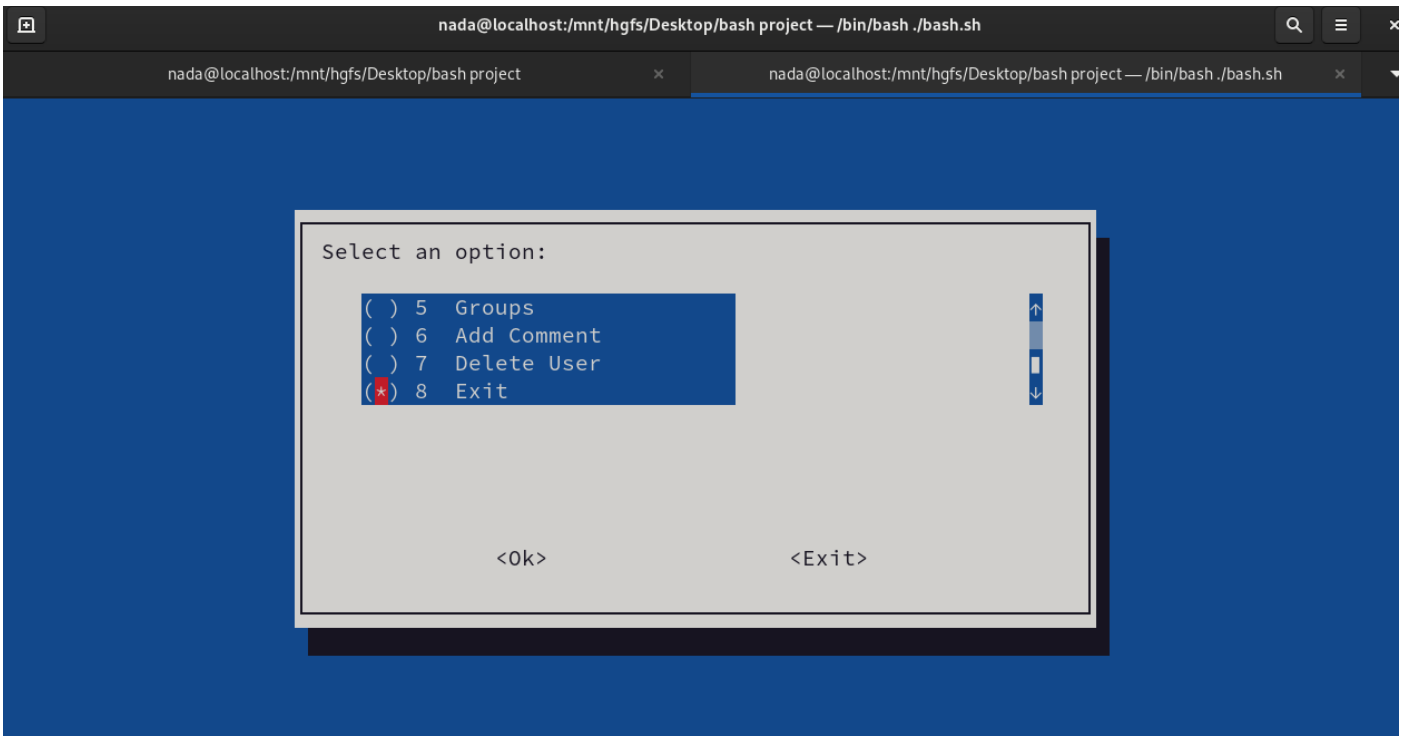
- Option (7): delete the user



Last user in /etc/passwd was amira22, but now:

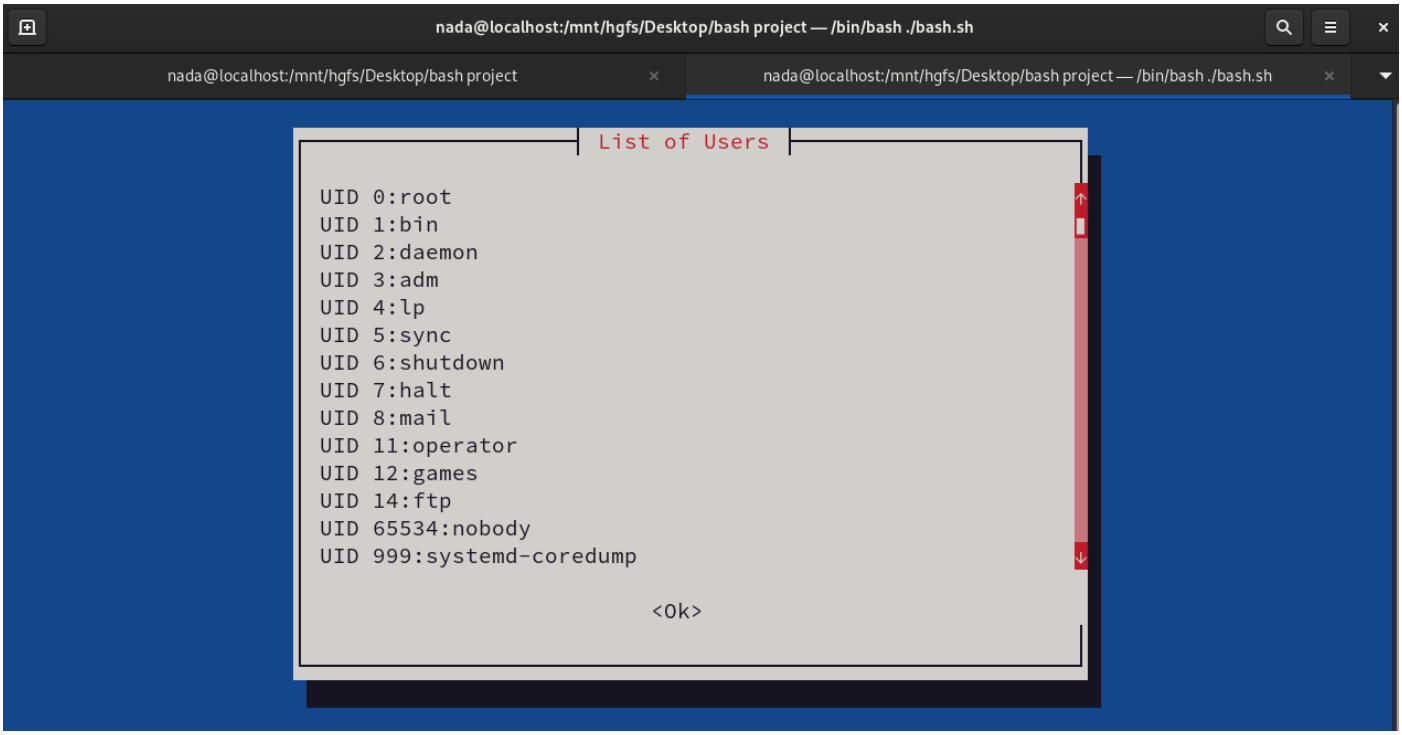
```
[root@localhost bash project]# tail -1 /etc/passwd
test:x:1009:1009::/home/test:/bin/bash
```

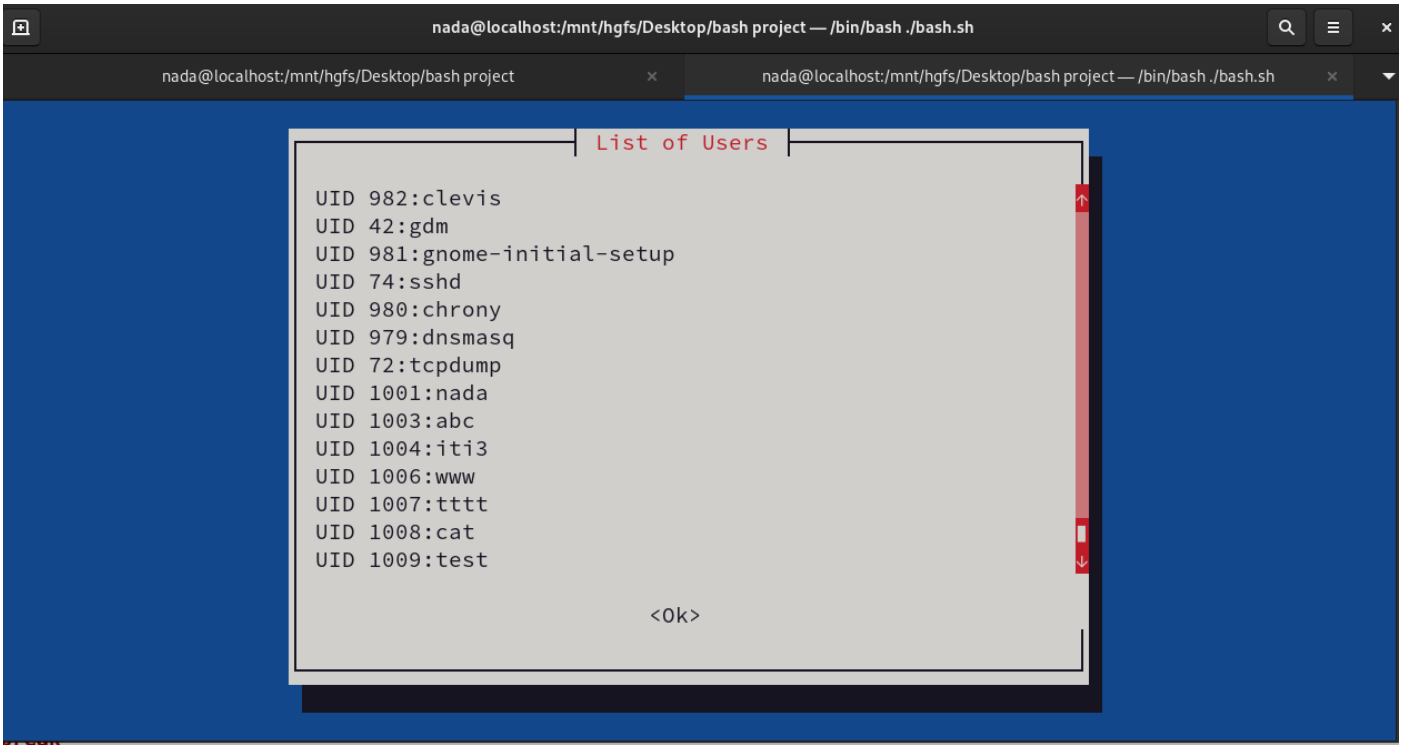
- Option (8): exit modification window, return to main menu.



4th choice:

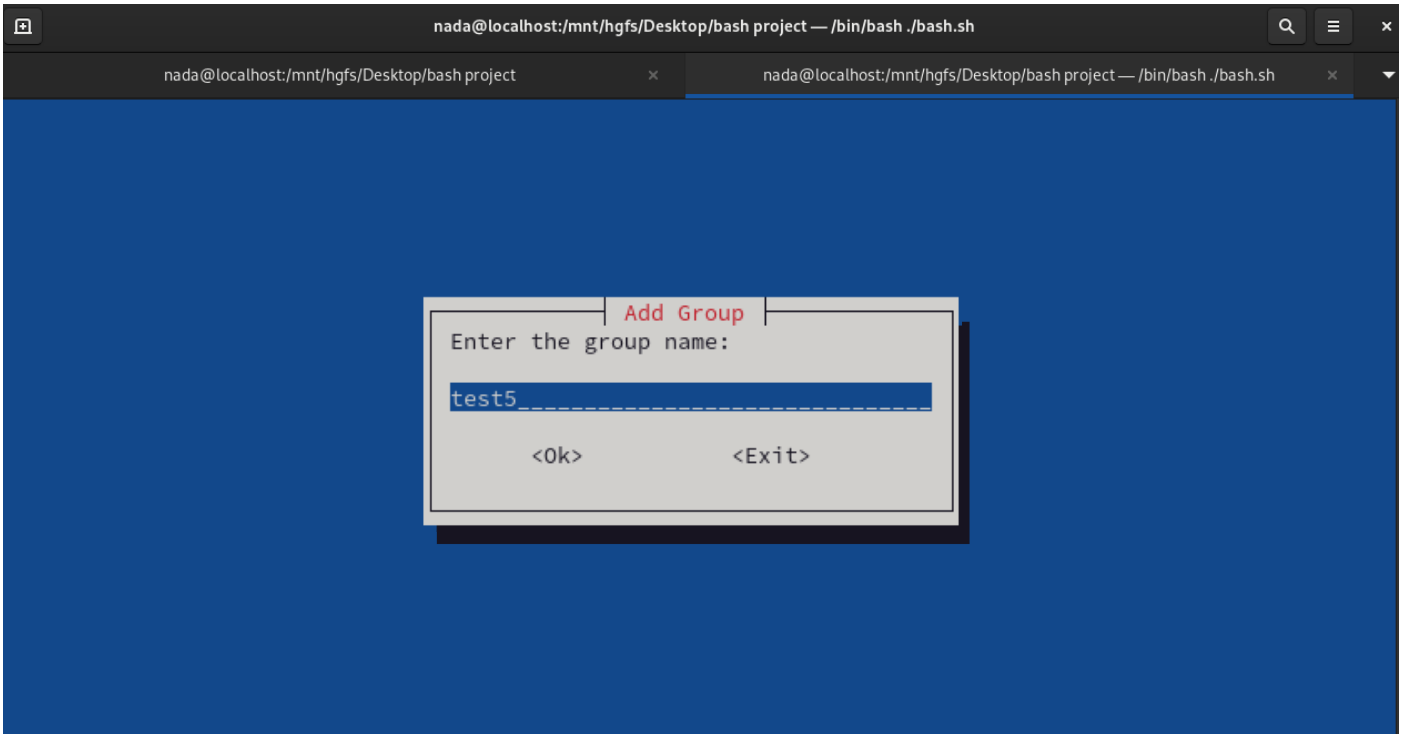
List of existing users with their uids, showed by scrolling list.

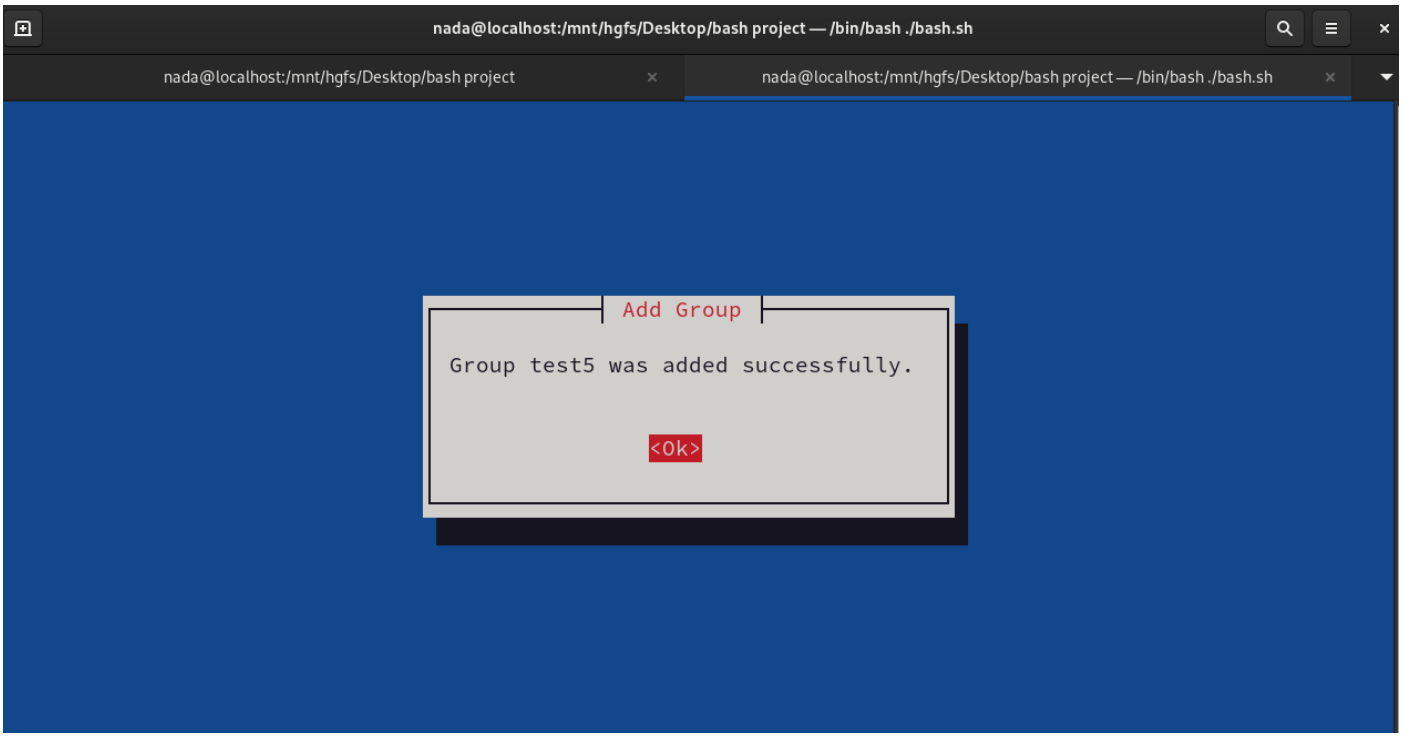




5th choice:

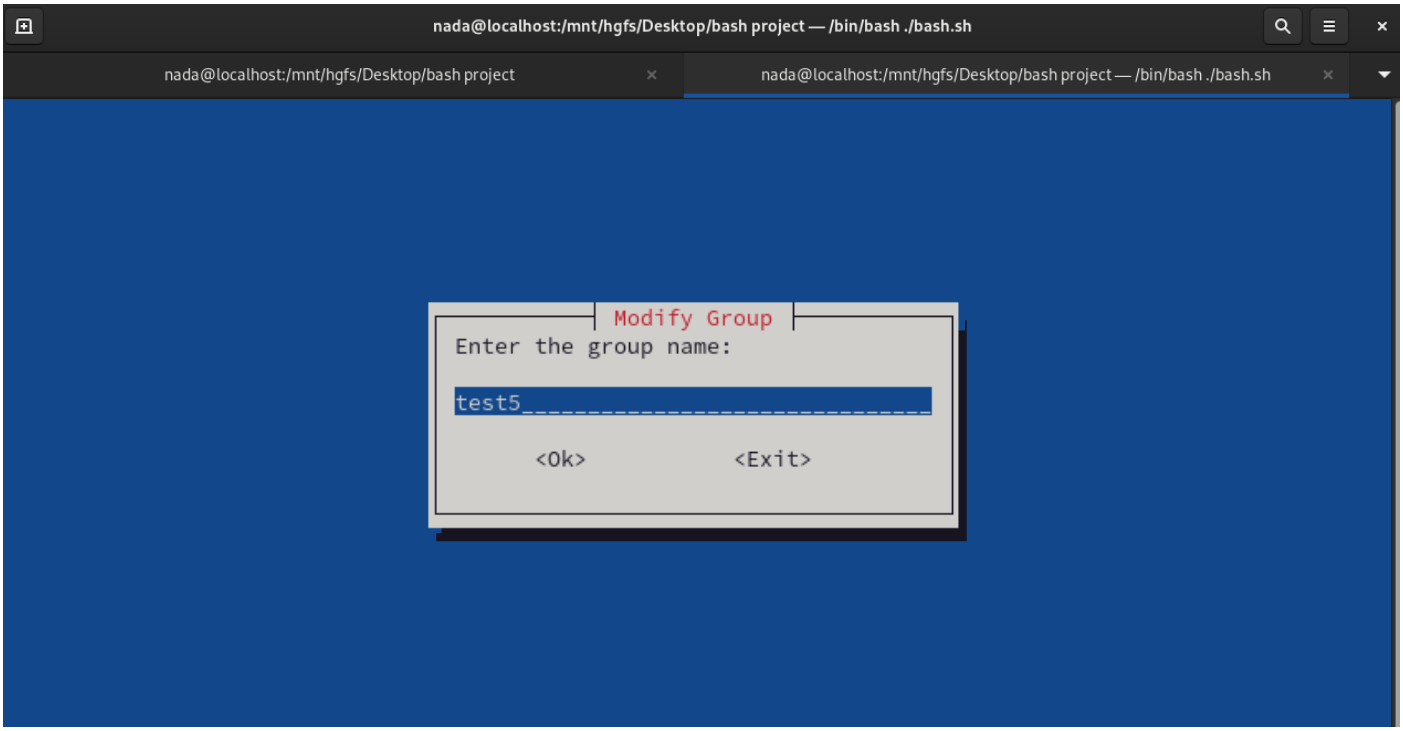
Add a new group to the system.

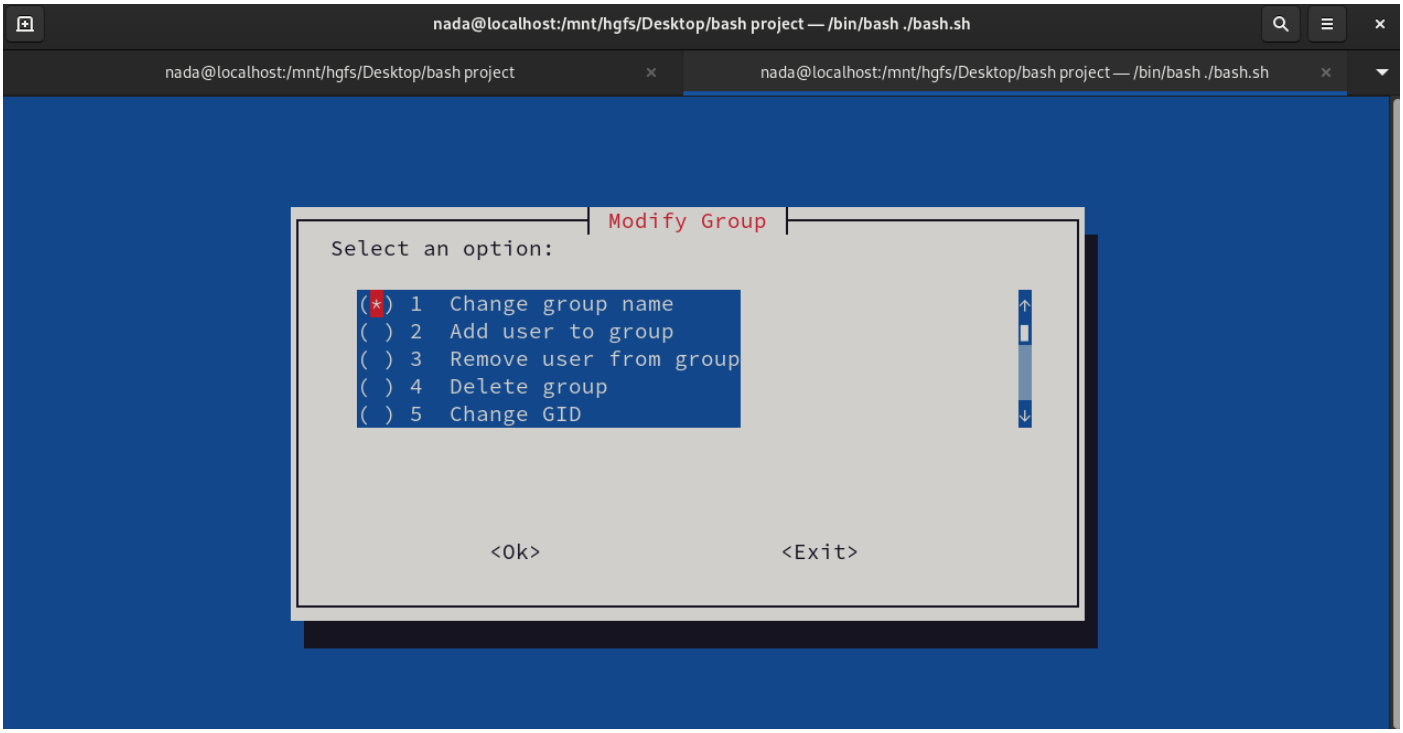




6th choice:

Modify existing group, with different options to do showed by scrolling list.



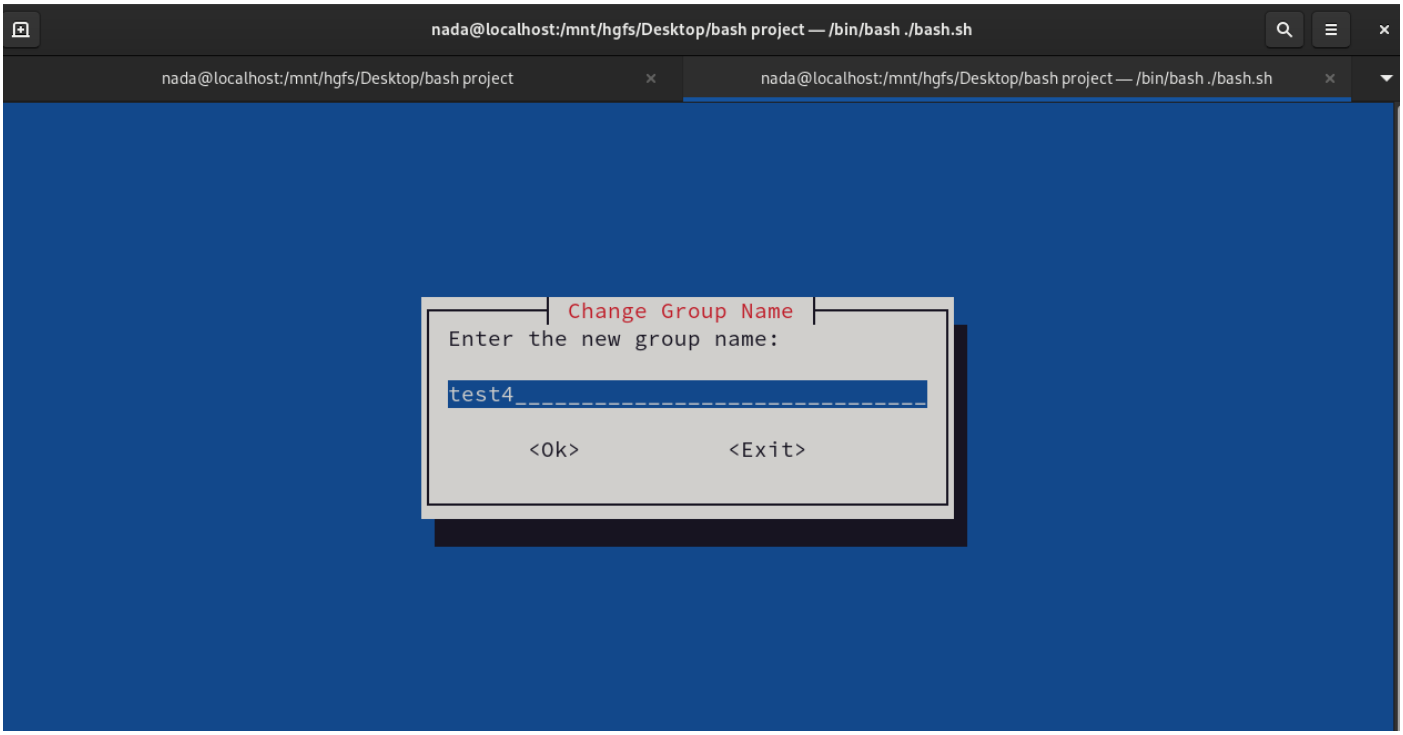


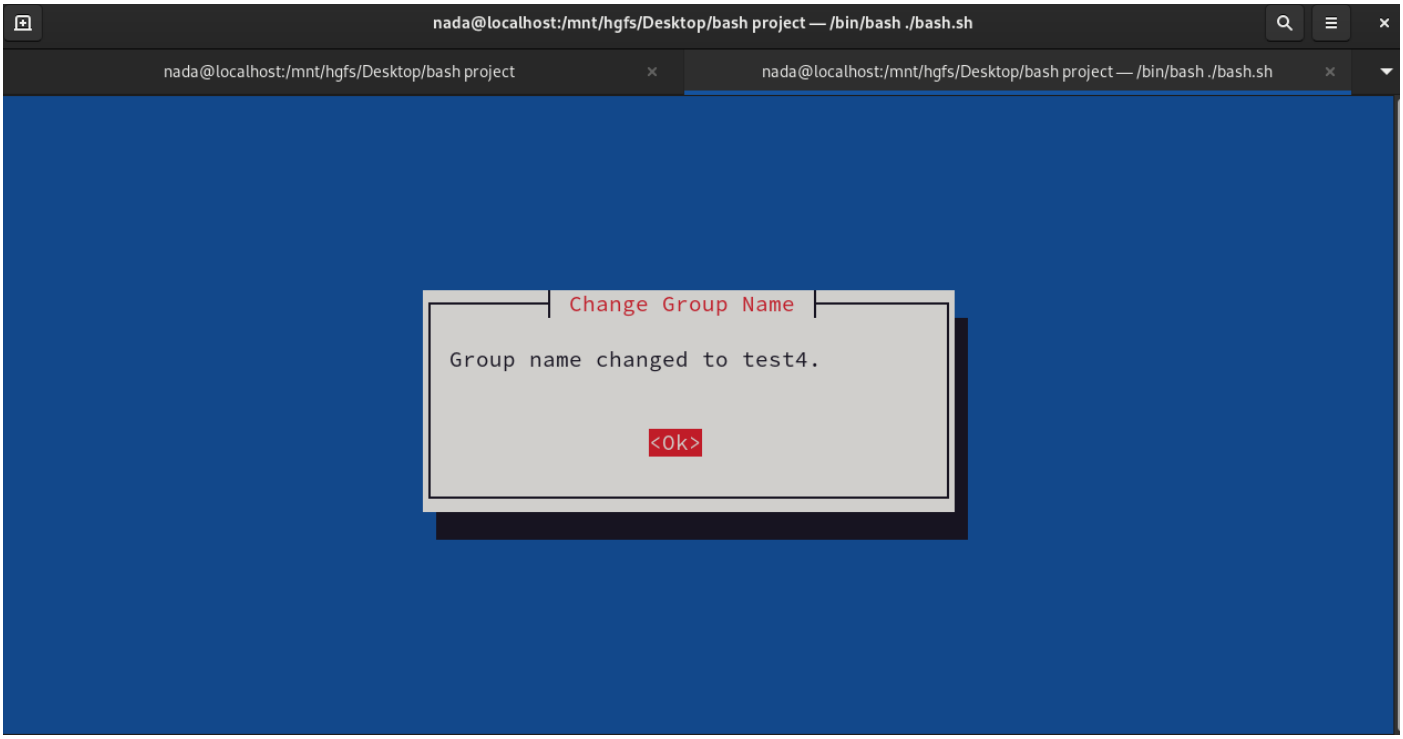
- Option (1): change groupname

Before

```
[root@localhost bash project]# tail -1 /etc/group
test5:x:1017:
[root@localhost bash project]#
```

The process & After





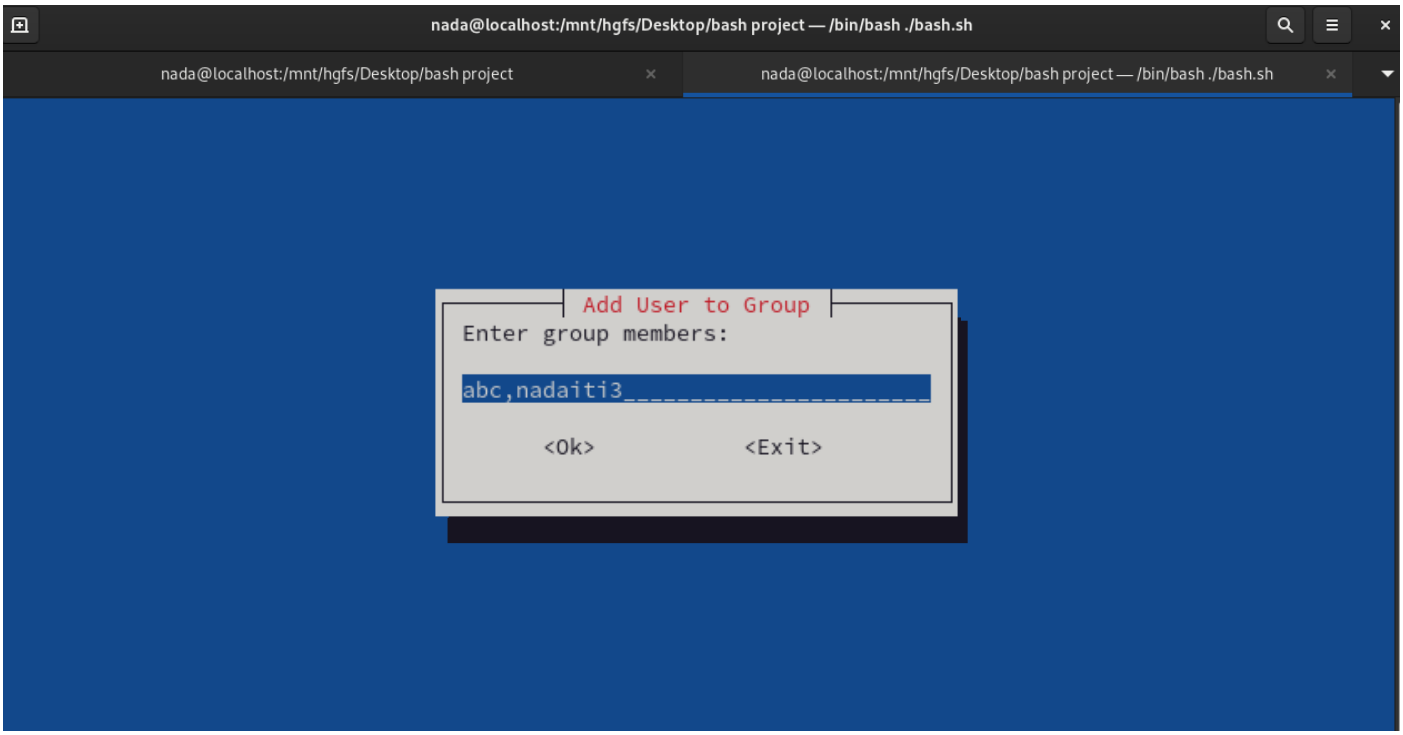

```
[root@localhost bash project]# tail -1 /etc/group
test4:x:1017:
[root@localhost bash project]#
```

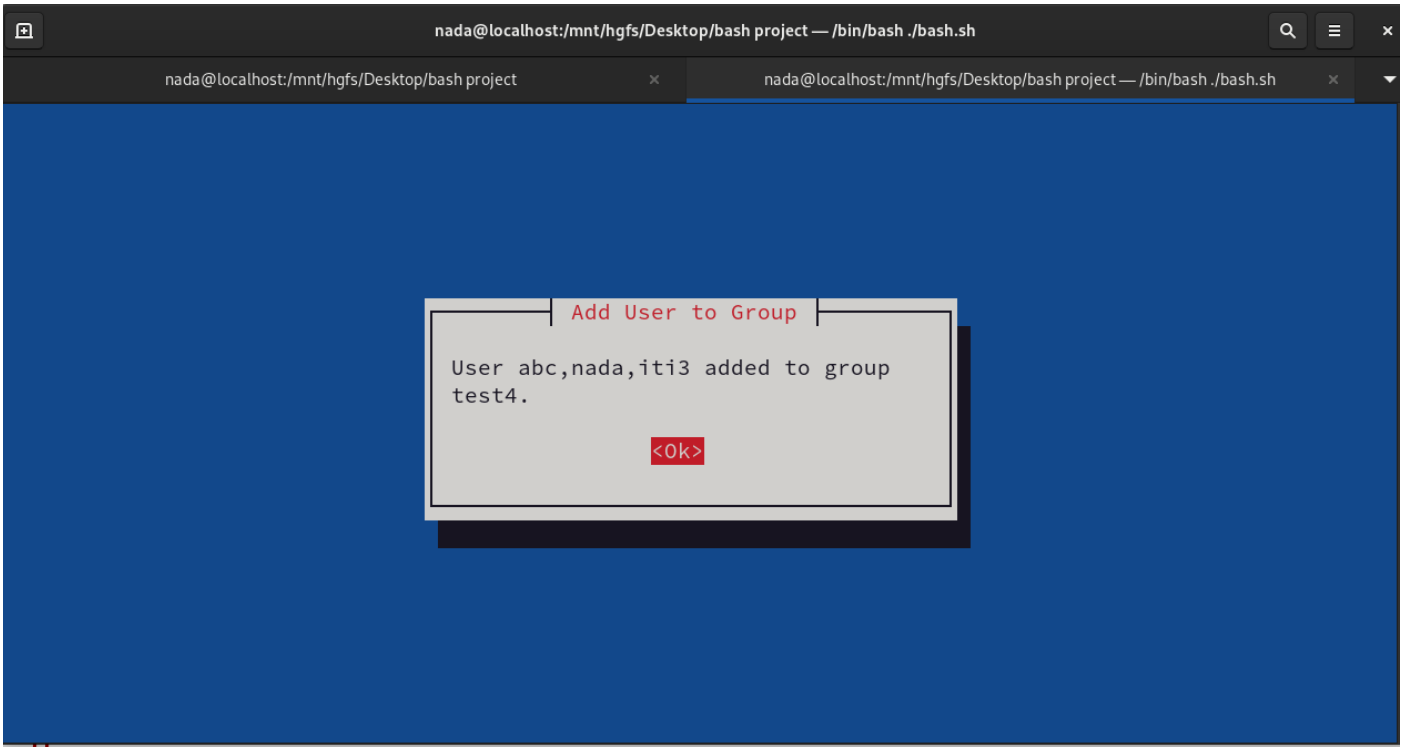
- Option (2): add members to the group.

Before

```
[root@localhost bash project]# tail -1 /etc/group
test4:x:1017:abc,nada
```

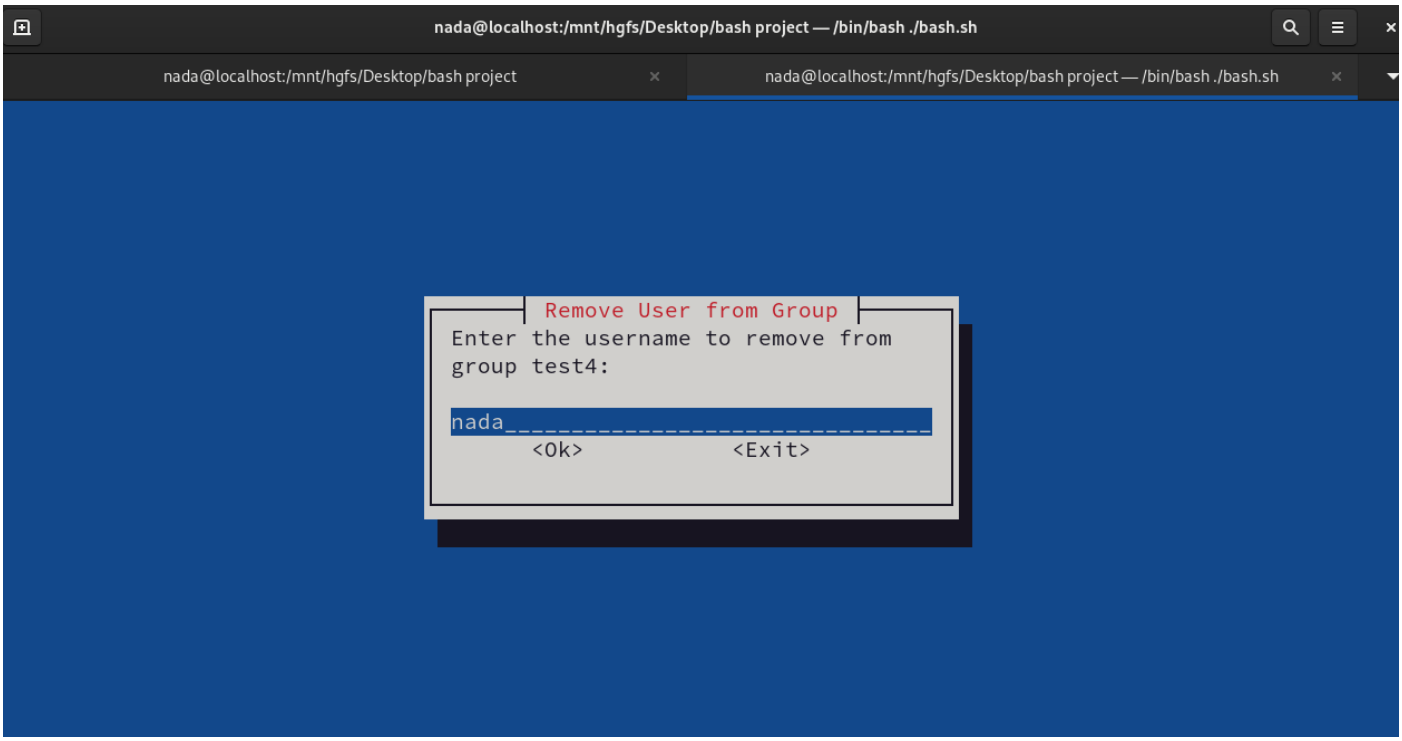
The process & After

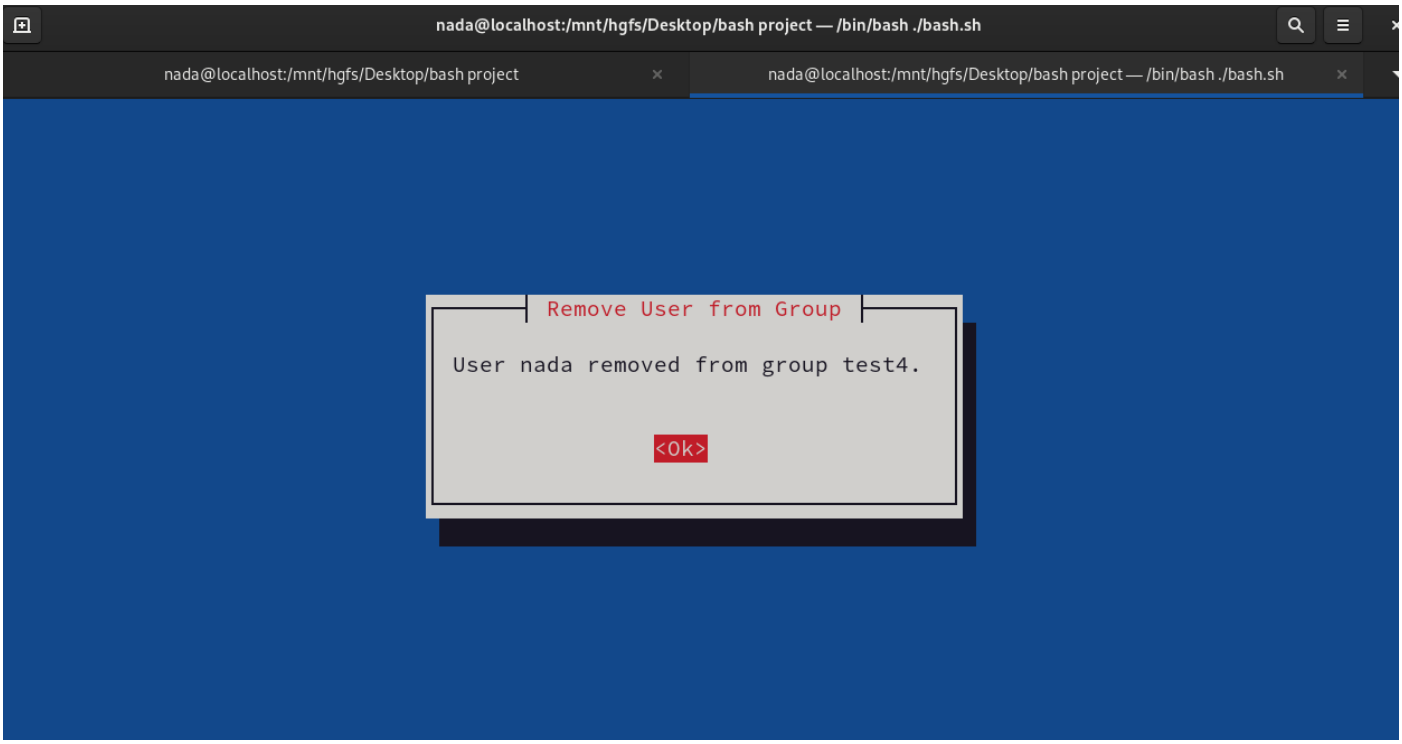





```
[root@localhost bash project]# tail -1 /etc/group
test4:x:1017:abc,nada,iti3
[root@localhost bash project]#
```

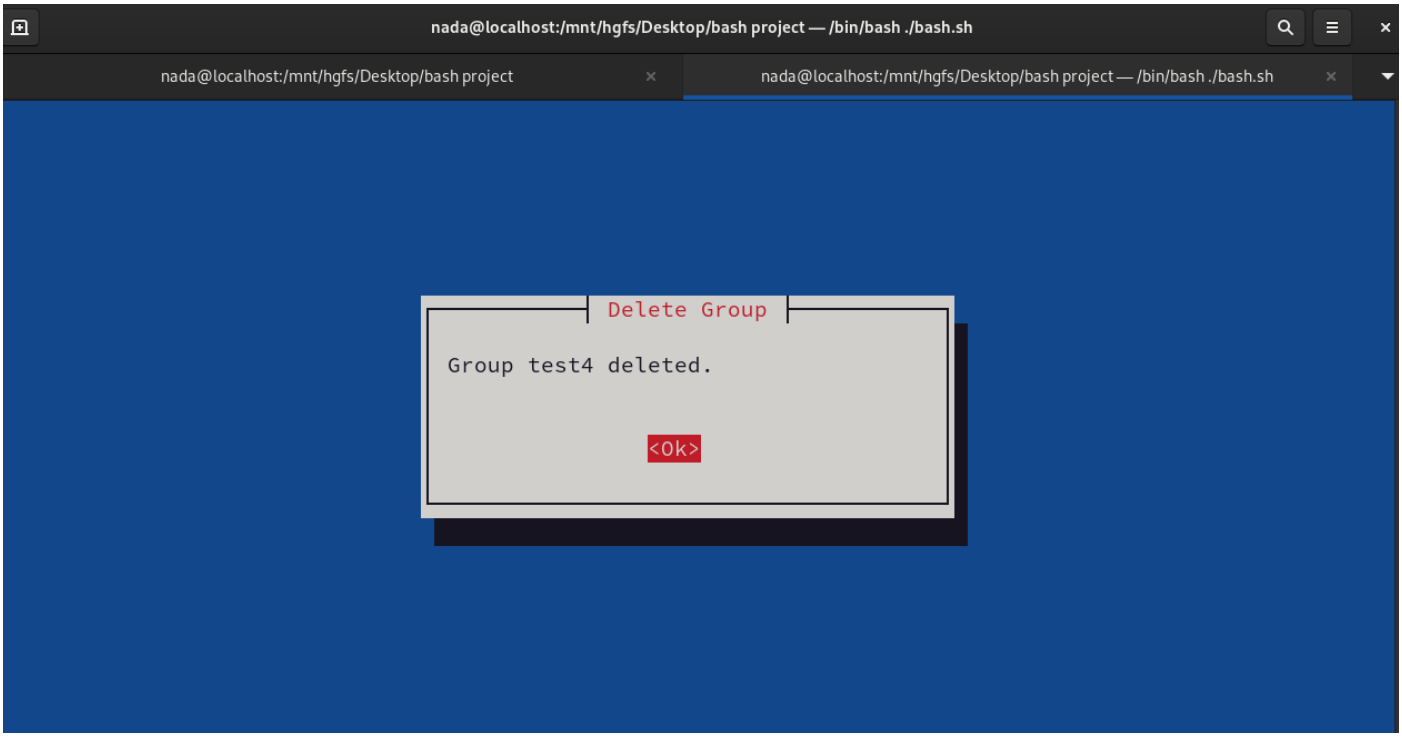
- Option (3): remove user from the group.






```
[root@localhost bash project]# tail -1 /etc/group
test4:x:1017:abc,iti3
[root@localhost bash project]# id nada
uid=1001(nada) gid=1000(nada) groups=1000(nada),10(wheel),1012(iti2)
[root@localhost bash project]#
```

- Option (4): delete group.



Last user in /etc/group was test4, but now:

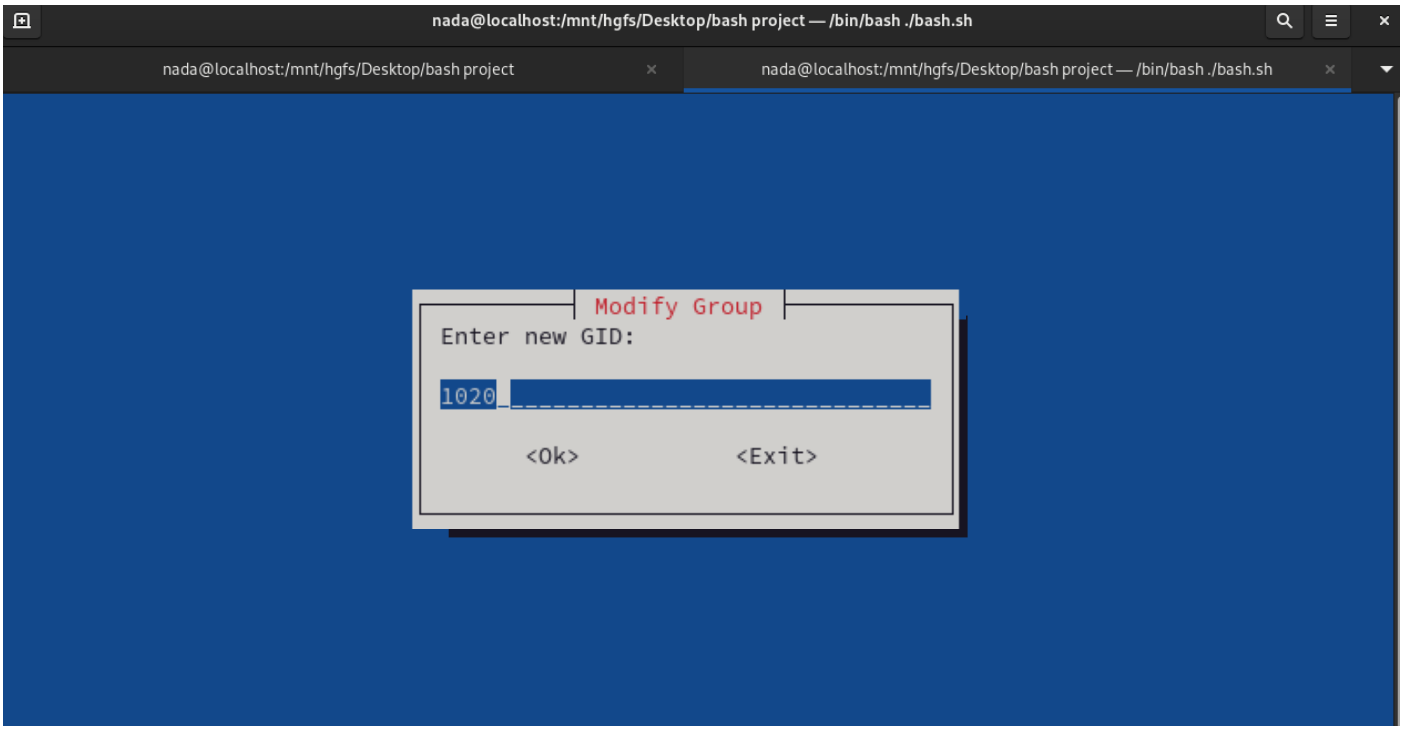
```
[root@localhost bash project]# tail -1 /etc/group
test:x:1009:
```

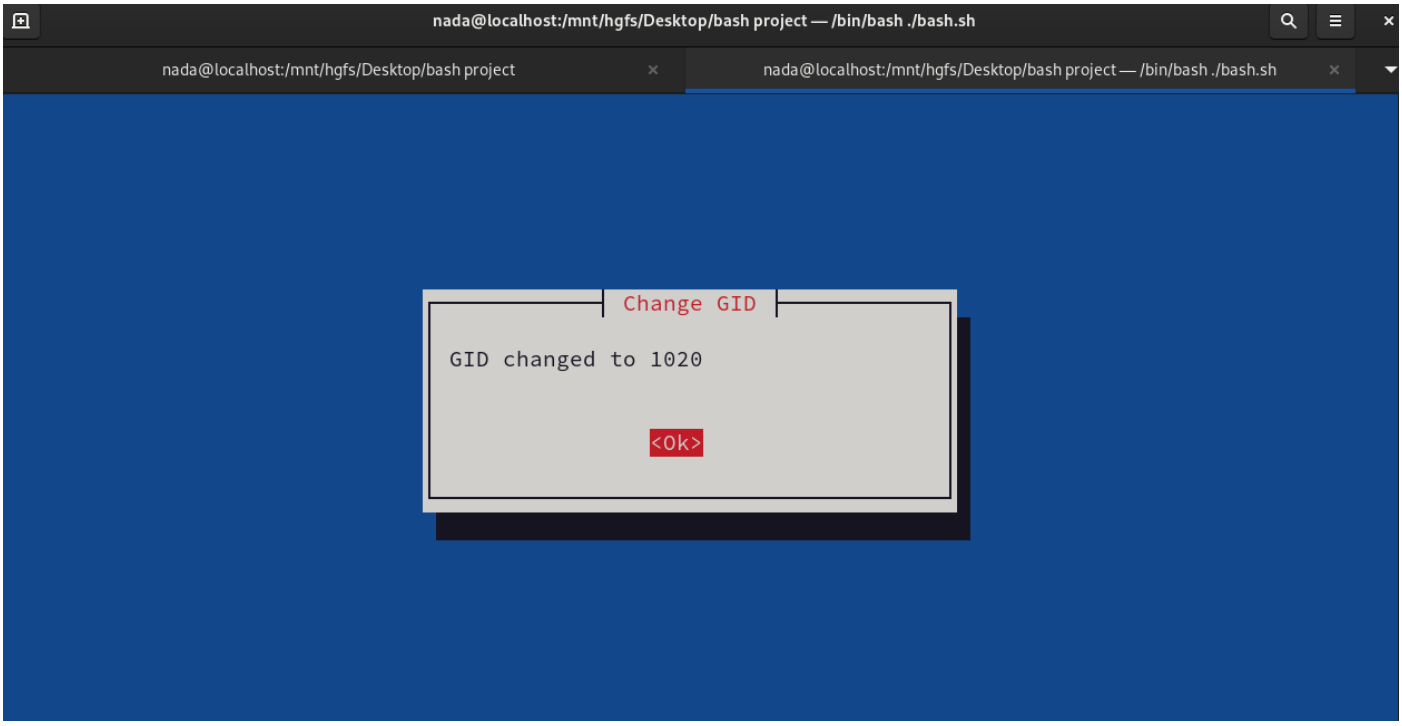
- Option (5): change GID.

Before

```
[root@localhost bash project]# tail -1 /etc/group
test:x:1009:
```

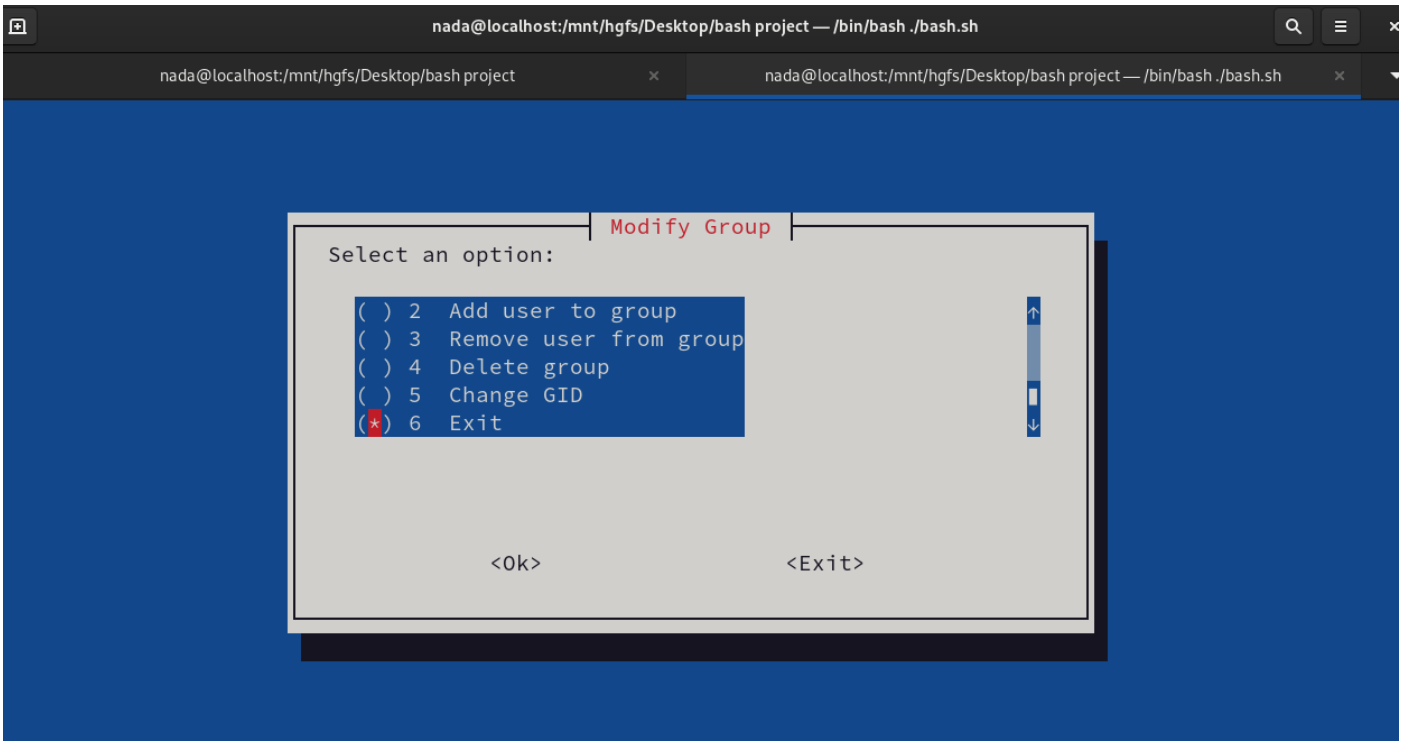
The process & After





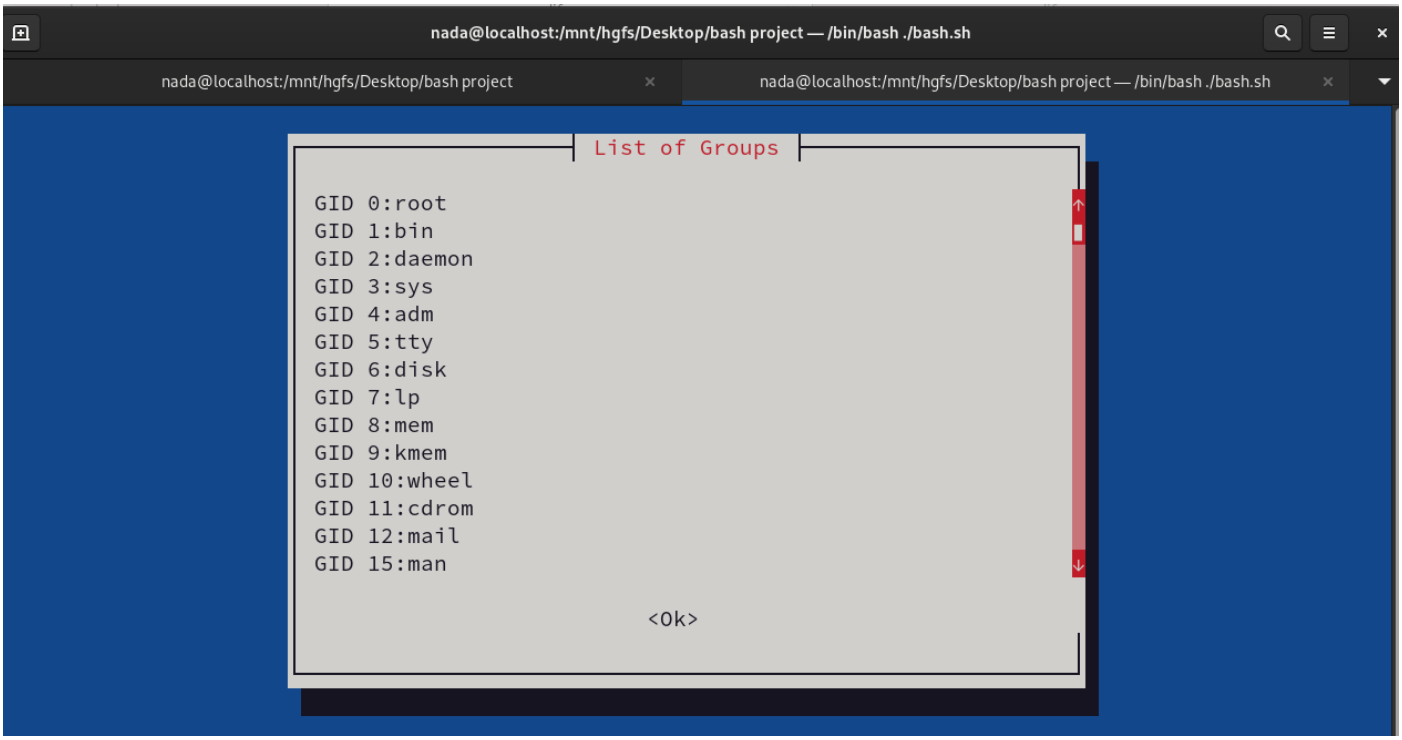

```
[root@localhost bash project]# tail -1 /etc/group
test:x:1020:
[root@localhost bash project]#
```

- Option (6): exit modification window, return to main menu.



7th choice:

List of existing groups with their gids, showed by scrolling list.



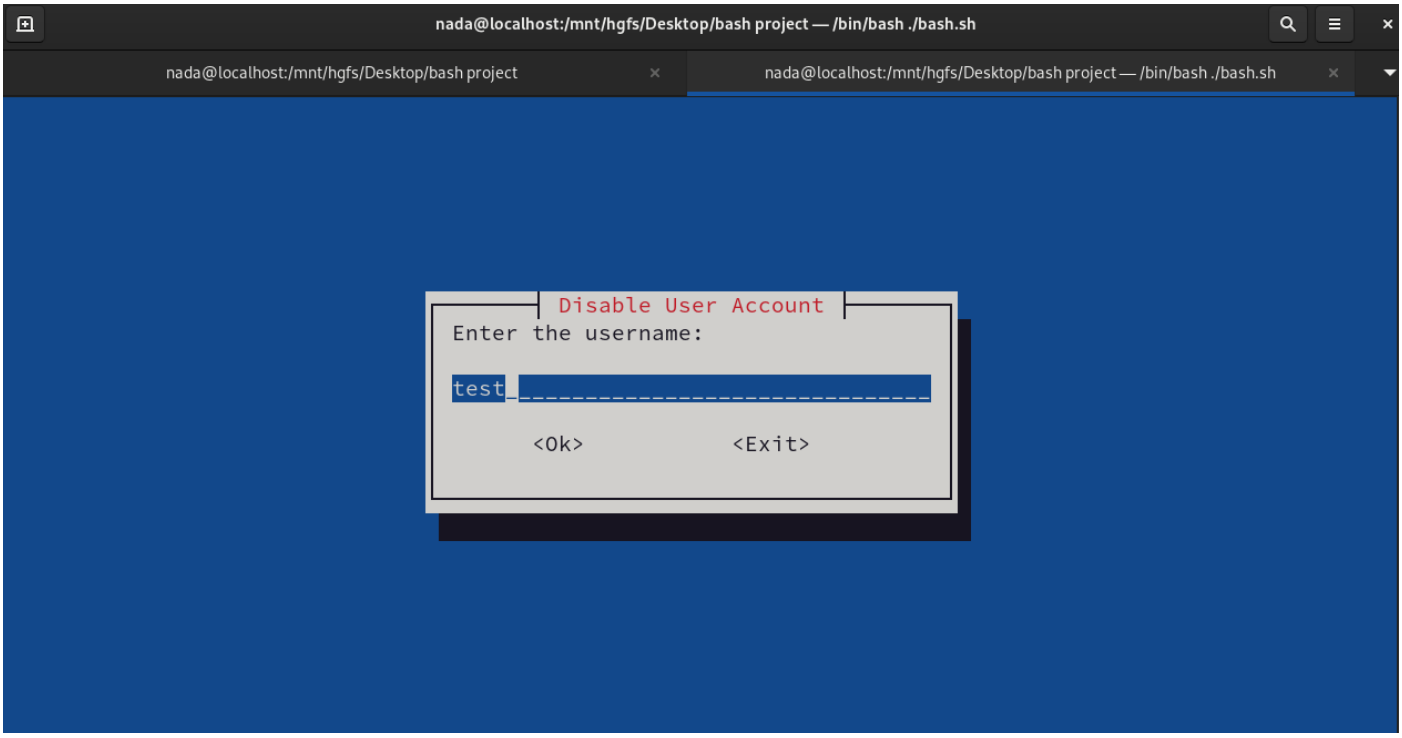
8th choice:

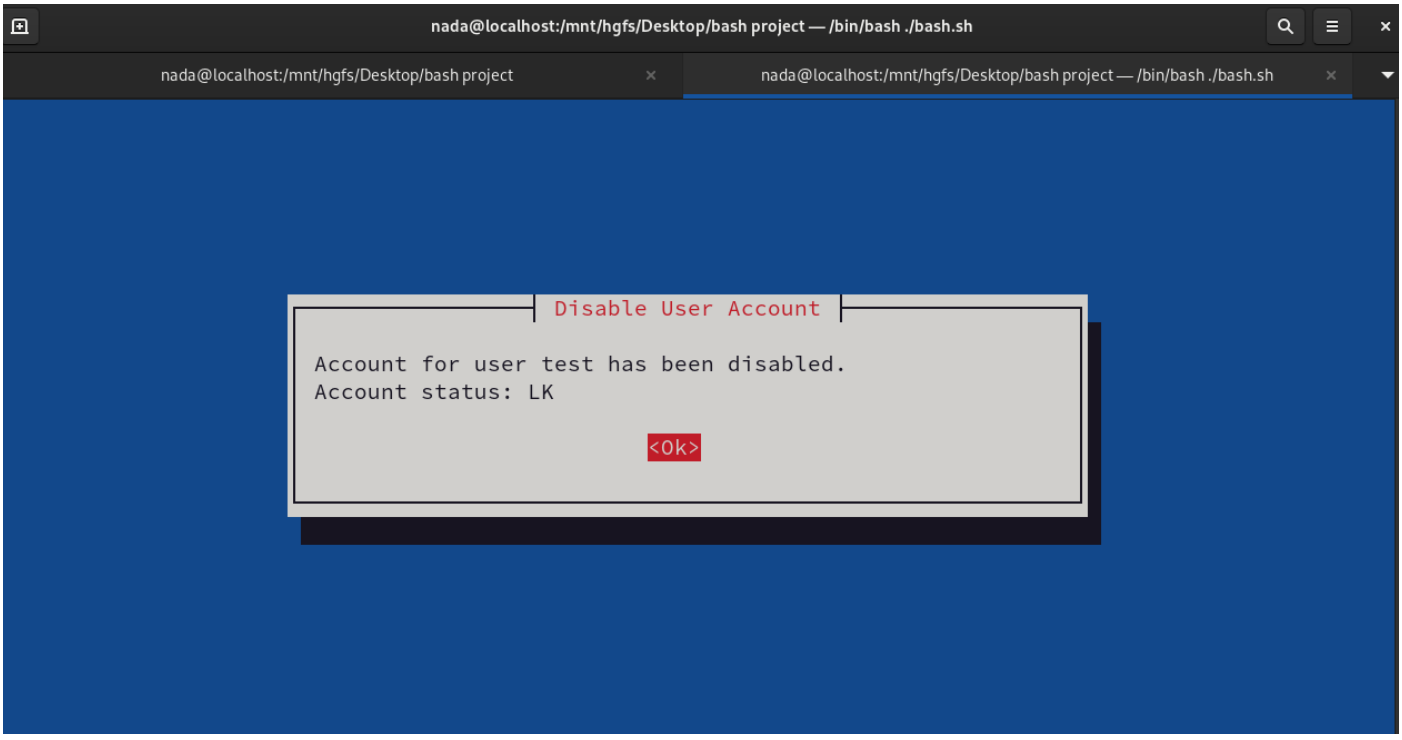
Disable user account.

Before

```
[root@localhost bash project]# passwd -S test
test PS 2023-04-24 0 99999 7 -1 (Password set, MD5 crypt.)
[root@localhost bash project]#
```

The process & After






```
[root@localhost bash project]# passwd -S test
test LK 2023-04-24 0 99999 7 -1 (Password locked.)
[root@localhost bash project]#
```

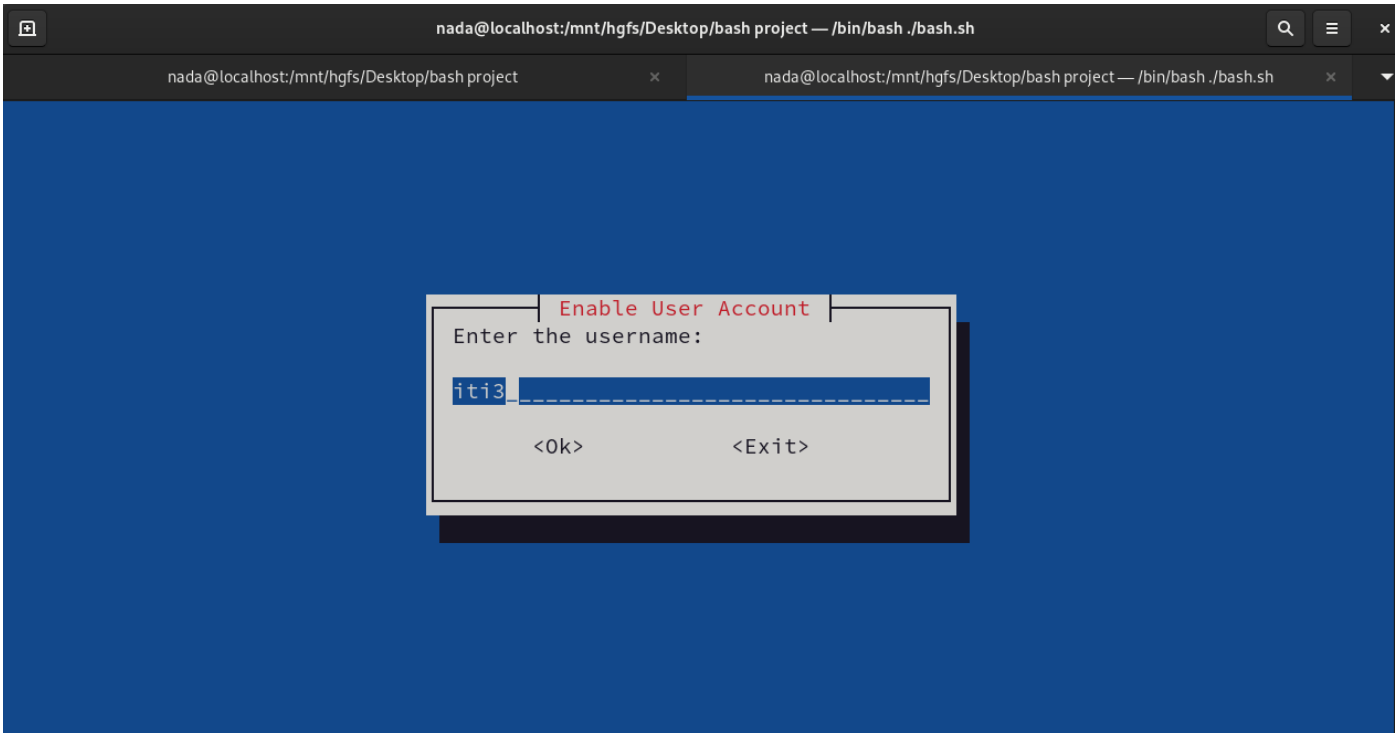
9th choice:

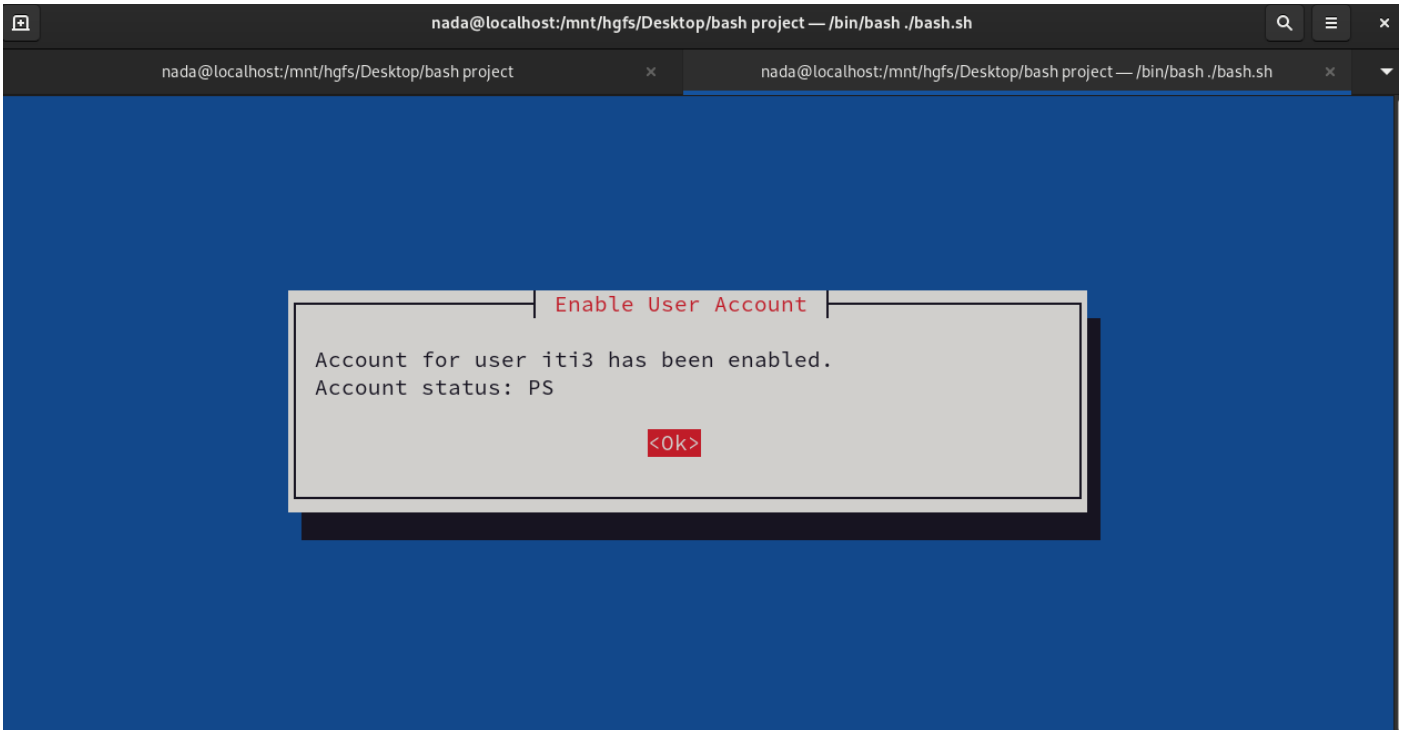
Enable user account.

Before

```
[root@localhost bash project]# passwd -S iti3
iti3 LK 2023-04-24 0 99999 7 -1 (Password locked.)
[root@localhost bash project]#
```

The process & After

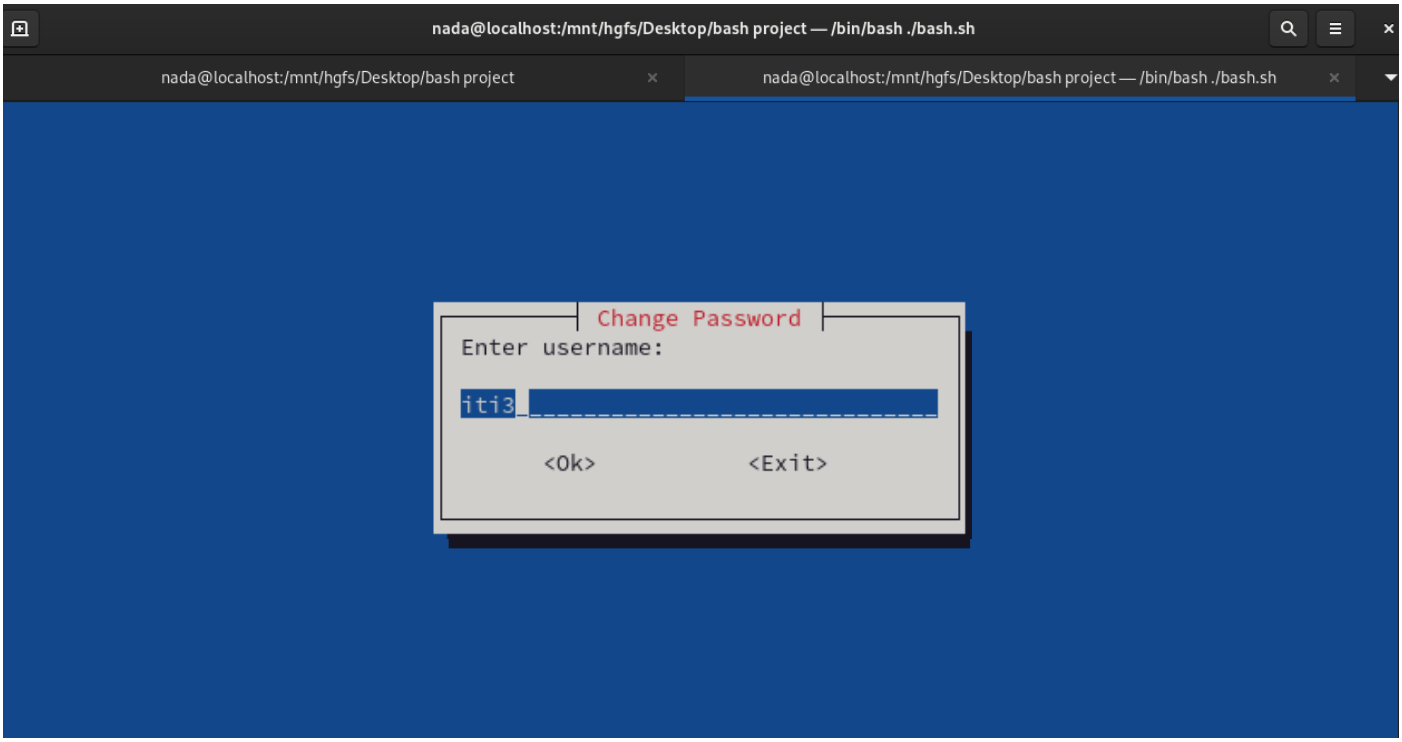




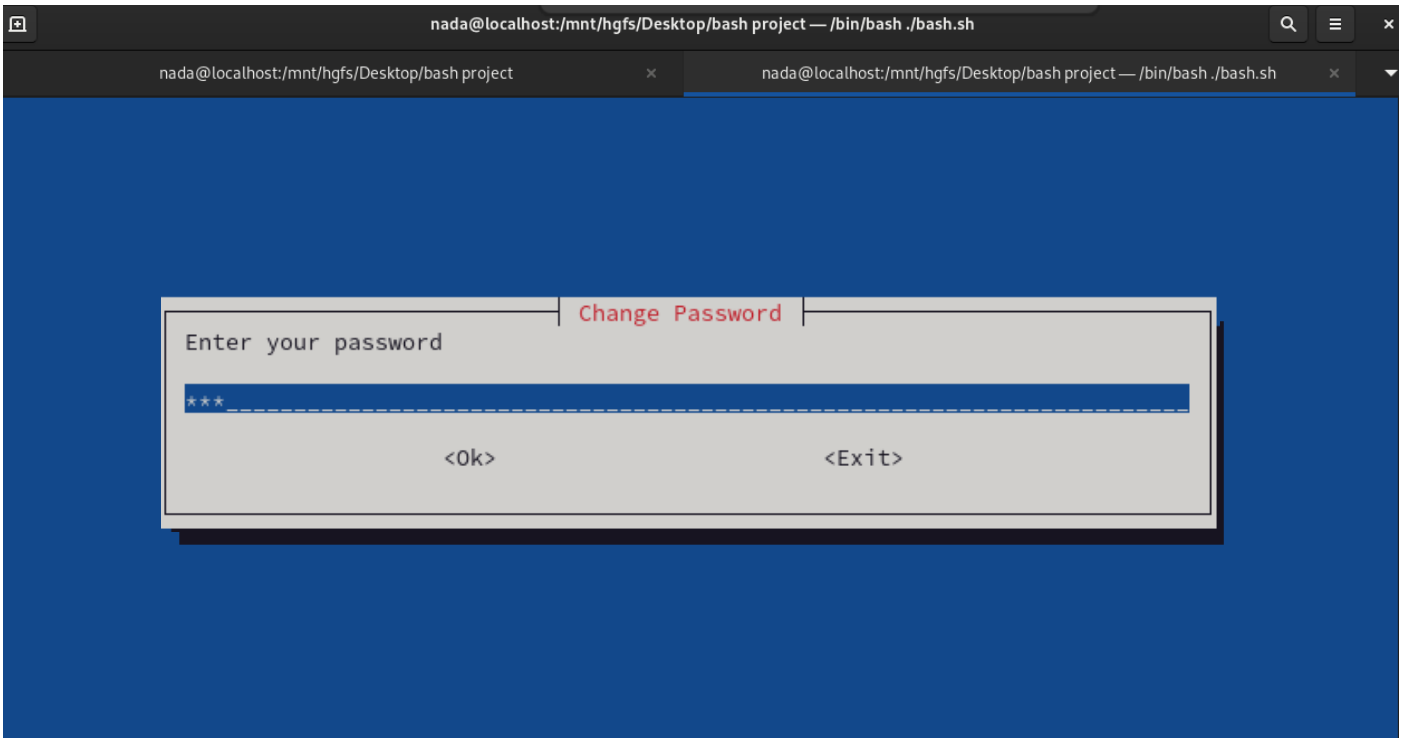

```
[root@localhost bash project]# passwd -S iti3
iti3 PS 2023-04-24 0 99999 7 -1 (Password set, MD5 crypt.)
[root@localhost bash project]#
```

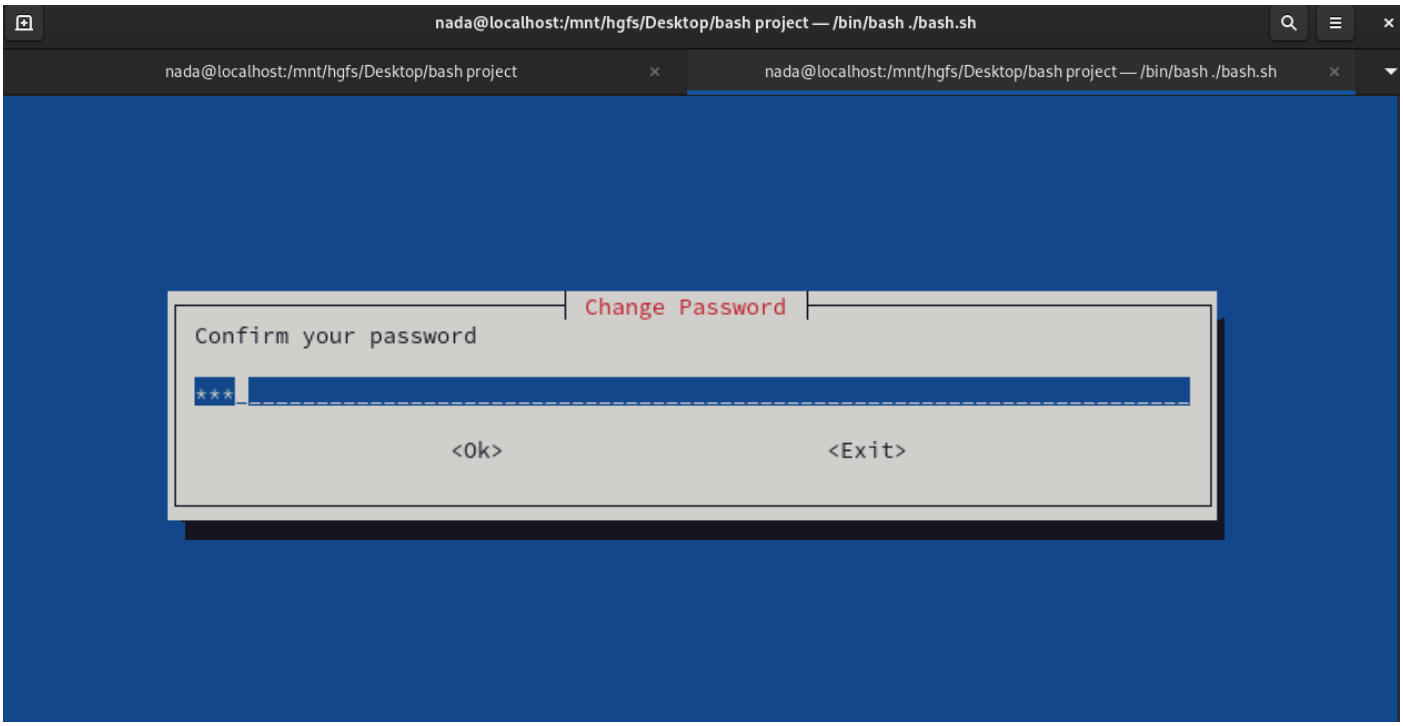
10th choice:

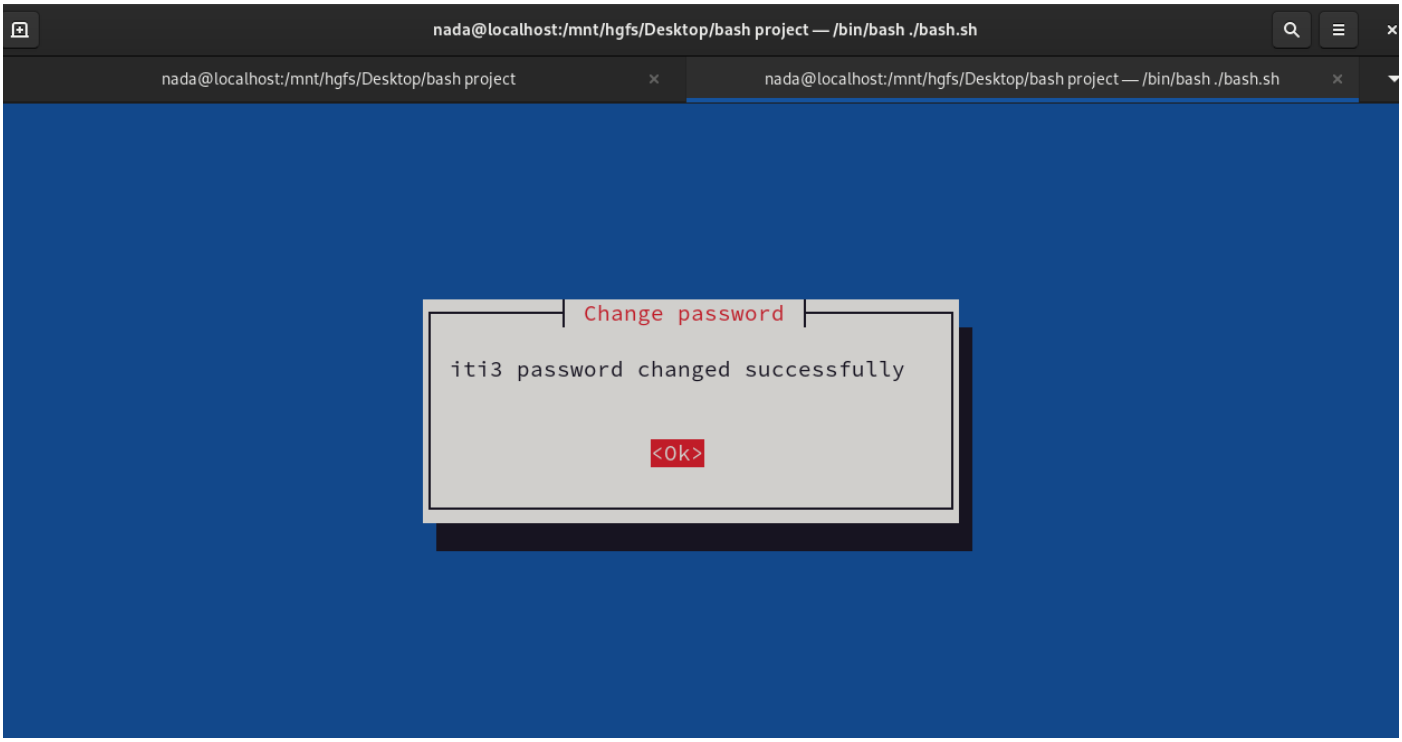
Change Password for exist user.



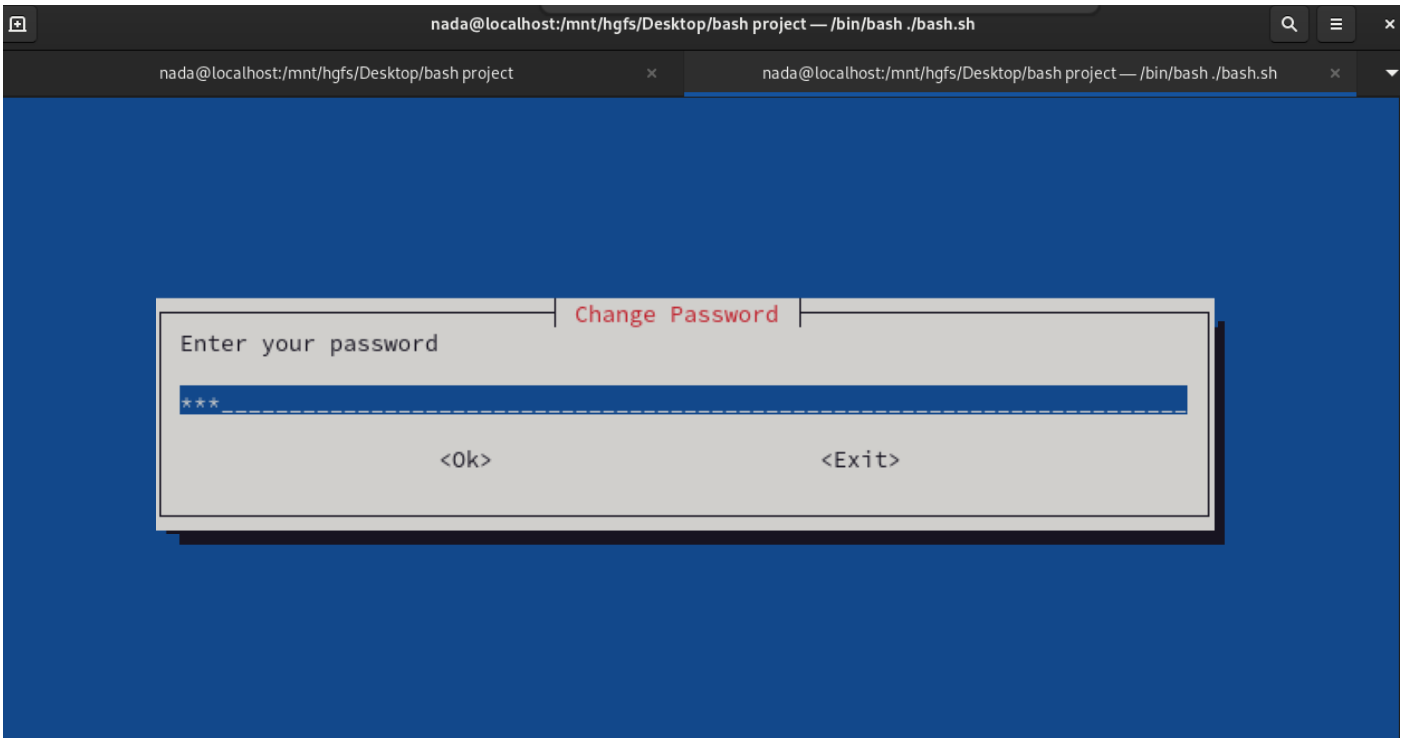
- Case (1): matched password

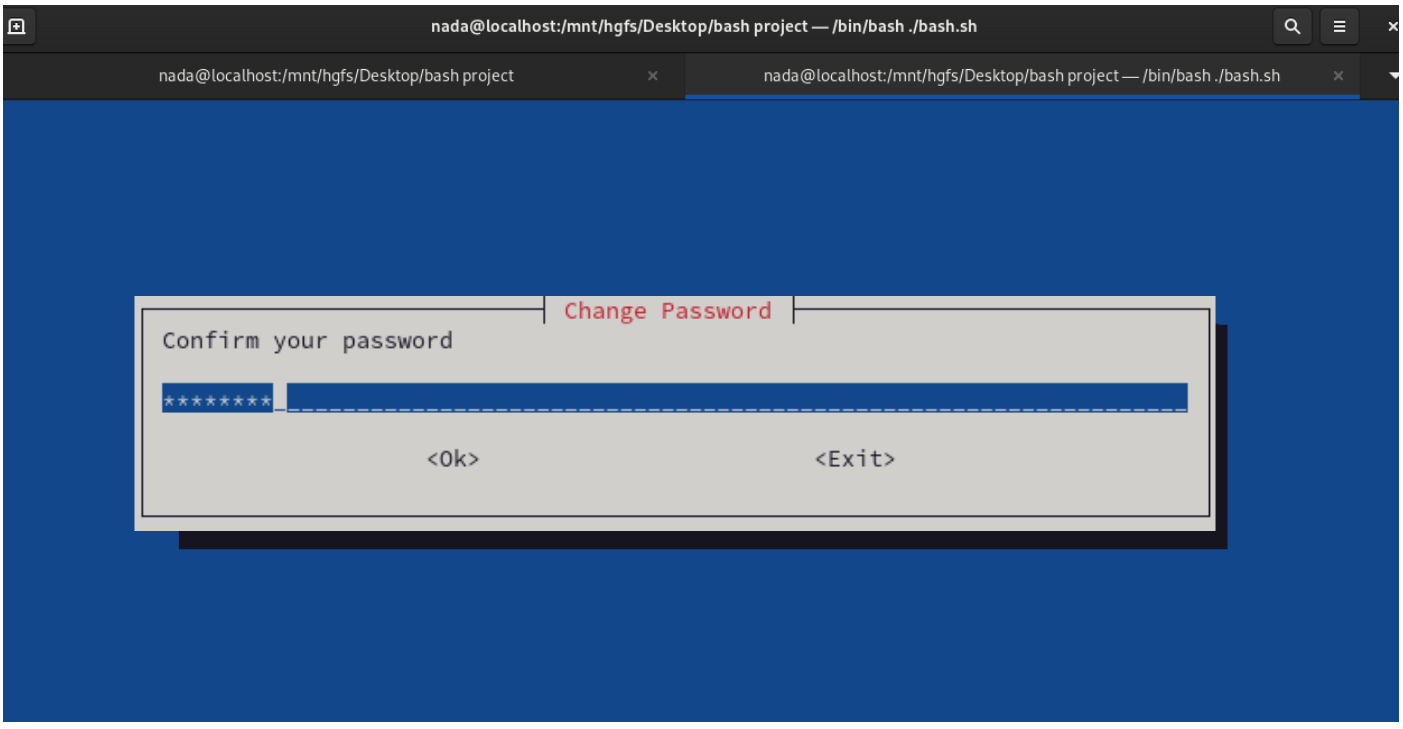


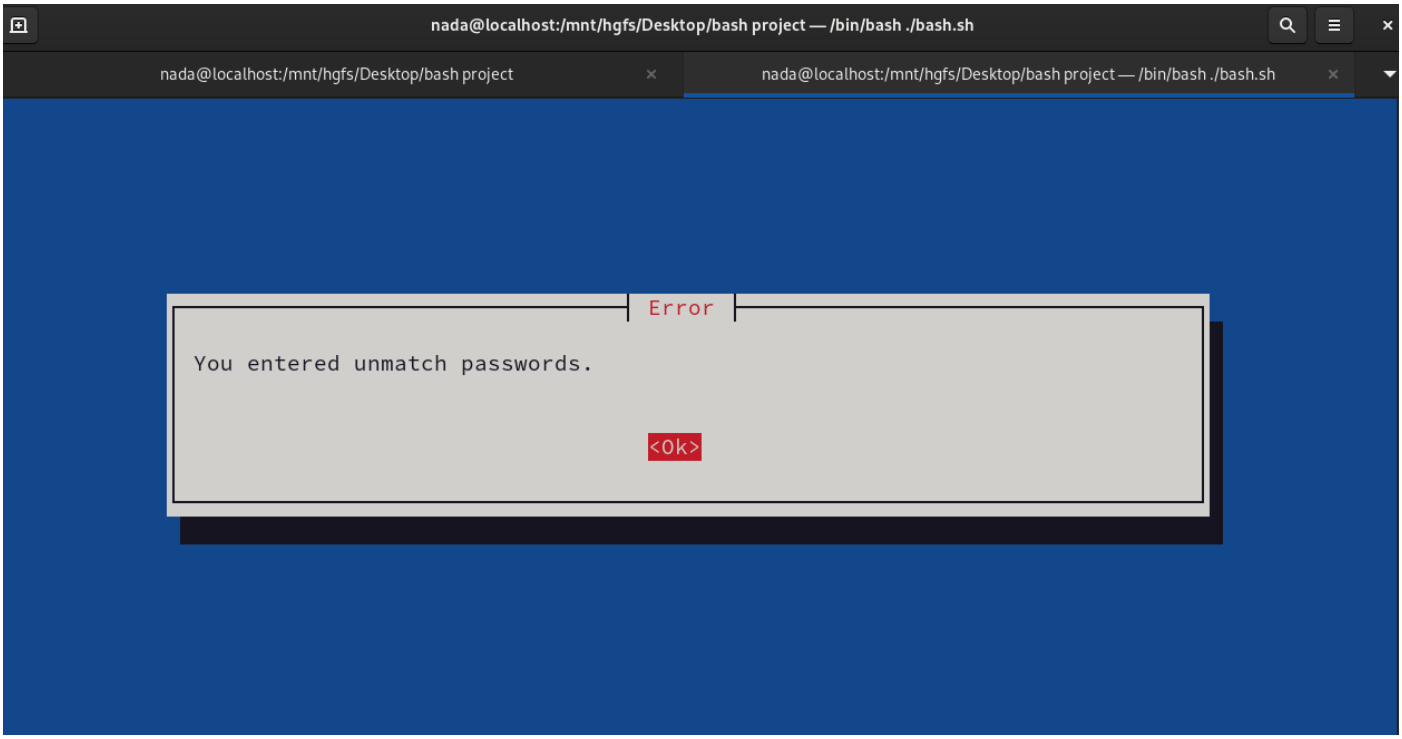

nada@localhost:/mnt/hgfs/Desktop/bash project — /bin/bash ./bash.sh
nada@localhost:/mnt/hgfs/Desktop/bash project
nada@localhost:/mnt/hgfs/Desktop/bash project — /bin/bash ./bash.sh
Change Password
Confirm your password
***
<Ok>
<Exit>


nada@localhost:/mnt/hgfs/Desktop/bash project — /bin/bash ./bash.sh
nada@localhost:/mnt/hgfs/Desktop/bash project
nada@localhost:/mnt/hgfs/Desktop/bash project — /bin/bash ./bash.sh
Change password
iti3 password changed successfully
<Ok>

- Case (2): unmatched password
-







Then return you to the first window to renter the password again

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Thank you, **Eng. Romany**, for your effort and support