



BASH SCRIPTING

Mini Project



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1. Add a new user.

```
[kariman@server ~]$ ./functions
1) Add User          4) Delete User      7) Disable User    10) Modify Group   13) Exit
2) Modify User       5) Add User To Group 8) Change Password 11) Delete Group
3) List Users        6) Enable User      9) Add Group       12) List Groups
Choose an option: 1
Please enter the username: kariman
User kariman already exists.
Choose an option: 1
Please enter the username: nariman
Changing password for user nariman.
New password:
BAD PASSWORD: The password is a palindrome
Retype new password:
passwd: all authentication tokens updated successfully.
Password for nariman has been changed.
Choose an option: █
```

2. Modify a user.

```
Please enter the username you want to modify: narimannn
User narimannn doesn't exist.
Choose an option: 2
Please enter the username you want to modify: nariman
User nariman exists.
Enter the new username: Nariman
Choose an option: █
```

3. List all the users on the system.

```
Enter the new username: Nariman
Choose an option: 3
List of available users on the system:
root
bin
daemon
adm
lp
sync
shutdown
halt
mail
operator
games
ftp
nobody
tss
systemd-coredump
dbus
polkitd
avahi
colord
rtkit
pipewire
clevis
sssd
geoclue
flatpak
setroubleshoot
libstoragemgmt
gdm
cockpit-wsinstance
gnome-initial-setup
sshd
chrony
dnsmasq
tcpdump
kariman
moh
ahm
sahr
```

4. Delete a user.

```
Choose an option: 4
Please enter the username: mohamed
mohamed doesn't exist.
Choose an option: 4
Please enter the username: moh
Are you sure you want to delete user moh and all their files? (y/n): y
User moh and their home directory have been deleted.
Choose an option: █
```

5. Add a user to a secondary group.

```
Choose an option: 5
Please enter the username: moh
Please enter the group name: new
User moh doesn't exist.
Choose an option: 5
Please enter the username: sakr
Please enter the group name: kariman
User sakr has been added to group kariman.
Choose an option: █
```

6. Enable a user's account.

```
Choose an option: 6
Please enter the username: deebo
User deebo doesn't exist.
Choose an option: 6
Please enter the username: deeb
User deeb has been enabled.
Choose an option: █
```

7. Disable a user's account.

```
Please enter the username: deeb
User deeb has been enabled.
Choose an option: 7
Please enter the username: deebb
User deebb doesn't exist.
Choose an option: 7
Please enter the username: deeb
[sudo] password for kariman:
User deeb has been disabled.
Choose an option: █
```

8. Change the password of a specific user.

```
Choose an option: 8
Please enter the username: sakrr
User sakrr doesn't exist.
Choose an option: 8
Please enter the username: sakr
Changing password for user sakr.
New password:
BAD PASSWORD: The password is a palindrome
Retype new password:
passwd: all authentication tokens updated successfully.
Password for sakr has been changed.
Choose an option: █
```

9. Add a new group.

```
Choose an option: 9
Please enter the group name: kariman
Group kariman already exists.
Choose an option: 9
Please enter the group name: newkariman
Choose an option: █
```

10. Modify an existing group.

```
Choose an option: 10
Please enter the group name you want to modify: newwkariman
Group newwkariman doesn't exist.
Choose an option: 10
Please enter the group name you want to modify: newkariman
Group newkariman exists.
Enter the new group name: admins
Choose an option: █
```

11. Delete an existing group.

```
Enter the new group name: admins
Choose an option: 11
Please enter the group name: newkariman
newkariman doesn't exist.
Choose an option: 11
Please enter the group name: admins
Group admins has been deleted.
Choose an option: █
```

12. List all the groups on the system.

```
Choose an option: 12
List of available groups on the system:
root
bin
daemon
sys
adm
tty
disk
lp
mem
kmem
wheel
cdrom
mail
man
dialout
floppy
games
tape
video
ftp
lock
audio
users
nobody
utmp
utempter
tss
input
kvm
render
systemd-journal
systemd-coredump
dbus
polkitd
avahi
colord
printadmin
ssh_keys
rtkit
nipewire
```

13. Exit the script.

```
Choose an option: 13  
Exiting script.  
[kariman@server ~]$
```

14. Invalid Options

```
Choose an option: 99  
Invalid option. Please choose a valid number.  
Choose an option:
```