ASSIGNMENT

1. Command to check size of a file.


```
chandrashekar@ip-172-31-43-22:~
[ec2-user@ip-172-31-43-22 ~]$ #command to check size of afile
[ec2-user@ip-172-31-43-22 ~]$ ls -lh numbersfile.txt
-rw-r--r--. 1 ec2-user ec2-user 2.3K Feb 12 00:40 numbersfile.txt
[ec2-user@ip-172-31-43-22 ~]$ #create multiple user in your names, add the created use
```

2. Create multiple users in your names, add the created users to sudo group and verify sudo privileges.


```
[ec2-user@ip-172-31-43-22 ~]$ #create multiple user in your names, add the created use
r to sudo group & verify sudo priviliges.ls
[ec2-user@ip-172-31-43-22 ~]$ sudo su -
Last login: Sat Feb 14 04:04:49 UTC 2026 on pts/1
[root@ip-172-31-43-22 ~]# useradd u101
[root@ip-172-31-43-22 ~]# passwd u101
Changing password for user u101.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@ip-172-31-43-22 ~]# useradd u201
[root@ip-172-31-43-22 ~]# passwd u201
Changing password for user u201.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@ip-172-31-43-22 ~]# useradd chandrashekar
[root@ip-172-31-43-22 ~]# passwd chandrashekar
Changing password for user chandrashekar.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@ip-172-31-43-22 ~]# useradd cshekar
[root@ip-172-31-43-22 ~]# passwd cshekar
Changing password for user cshekar.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
```


```
Changing password for user cshekar.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@ip-172-31-43-22 ~]# pwd
/root
[root@ip-172-31-43-22 ~]# cd /
[root@ip-172-31-43-22 /]# ls
bin   dev  home  lib64  media  opt   root  sbin  sys  usr
boot  etc  lib   local  mnt    proc  run   srv   tmp  var
[root@ip-172-31-43-22 /]# cd home/
[root@ip-172-31-43-22 home]# ls
chandrashekar  cshekar  ec2-user  u101  u201
```

Successfully created the users & set
passwords for: 'chandrashekar' 'cshekar' 'u101' & 'u201'


```
[root@ip-172-31-43-22 home]# cd ..
[root@ip-172-31-43-22 /]# ls
bin   dev  home  lib64  media  opt   root  sbin  sys  usr
boot  etc  lib   local  mnt    proc  run   srv   tmp  var
[root@ip-172-31-43-22 /]# vi etc/sudoers
```


```
## Allows members of the users group to mount and unmount the
## cdrom as root
# %users  ALL=/sbin/mount /mnt/cdrom, /sbin/umount /mnt/cdrom

## Allows members of the users group to shutdown this system
# %users  localhost=/sbin/shutdown -h now

## Read drop-in files from /etc/sudoers.d (the # here does not mean a comment)
#includedir /etc/sudoers.d

cshekar ALL=(ALL) NOPASSWD: ALL
chandrashekar ALL=(ALL) NOPASSWD: ALL
u101 ALL=(ALL) NOPASSWD: ALL
u201 ALL=(ALL) NOPASSWD: ALL




:wq!
```

Added users to the sudoers list.

```
[root@ip-172-31-43-22 /]# vi etc/sudoers
[root@ip-172-31-43-22 /]# service sshd restart
Redirecting to /bin/systemctl restart sshd.service
[root@ip-172-31-43-22 /]# su - u101
[u101@ip-172-31-43-22 ~]$ sudo -l
Matching Defaults entries for u101 on ip-172-31-43-22:
    !visiblepw, always_set_home, match_group_by_gid, always_query_group_plugin,
    env_reset, env_keep="COLORS DISPLAY HOSTNAME HISTSIZE KDEDIR LS_COLORS",
    env_keep+="MAIL QTDIR USERNAME LANG LC_ADDRESS LC_CTYPE", env_keep+="LC_COLLATE
    LC_IDENTIFICATION LC_MEASUREMENT LC_MESSAGES", env_keep+="LC_MONETARY LC_NAME
    LC_NUMERIC LC_PAPER LC_TELEPHONE", env_keep+="LC_TIME LC_ALL LANGUAGE LINGUAS
    _XKB_CHARSET XAUTHORITY",
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/va
r/lib/snapd/snap/bin

User u101 may run the following commands on ip-172-31-43-22:
    (ALL) NOPASSWD: ALL
[u101@ip-172-31-43-22 ~]$ su - u201
Password:
[u201@ip-172-31-43-22 ~]$ sudo -l
Matching Defaults entries for u201 on ip-172-31-43-22:
    !visiblepw, always_set_home, match_group_by_gid, always_query_group_plugin,
    env_reset, env_keep="COLORS DISPLAY HOSTNAME HISTSIZE KDEDIR LS_COLORS",
    env_keep+="MAIL QTDIR USERNAME LANG LC_ADDRESS LC_CTYPE", env_keep+="LC_COLLATE
    LC_IDENTIFICATION LC_MEASUREMENT LC_MESSAGES", env_keep+="LC_MONETARY LC_NAME
    LC_NUMERIC LC_PAPER LC_TELEPHONE", env_keep+="LC_TIME LC_ALL LANGUAGE LINGUAS
    _XKB_CHARSET XAUTHORITY",
```

Verified the sudo command privileges for all the users
'chandrashekar' 'cshekar' 'u101' & 'u201'

```
User u101 may run the following commands on ip-172-31-43-22:
    (ALL) NOPASSWD: ALL
[u101@ip-172-31-43-22 ~]$ su - u201
Password:
[u201@ip-172-31-43-22 ~]$ sudo -l
Matching Defaults entries for u201 on ip-172-31-43-22:
    !visiblepw, always_set_home, match_group_by_gid, always_query_group_plugin,
    env_reset, env_keep="COLORS DISPLAY HOSTNAME HISTSIZE KDEDIR LS_COLORS",
    env_keep+="MAIL QTDIR USERNAME LANG LC_ADDRESS LC_CTYPE", env_keep+="LC_COLLATE
    LC_IDENTIFICATION LC_MEASUREMENT LC_MESSAGES", env_keep+="LC_MONETARY LC_NAME
    LC_NUMERIC LC_PAPER LC_TELEPHONE", env_keep+="LC_TIME LC_ALL LANGUAGE LINGUAS
    _XKB_CHARSET XAUTHORITY",
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/va
r/lib/snapd/snap/bin

User u201 may run the following commands on ip-172-31-43-22:
    (ALL) NOPASSWD: ALL
[u201@ip-172-31-43-22 ~]$ su - cshekar
Password:
[cshekar@ip-172-31-43-22 ~]$ sudo -l
Matching Defaults entries for cshekar on ip-172-31-43-22:
    !visiblepw, always_set_home, match_group_by_gid, always_query_group_plugin,
    env_reset, env_keep="COLORS DISPLAY HOSTNAME HISTSIZE KDEDIR LS_COLORS",
    env_keep+="MAIL QTDIR USERNAME LANG LC_ADDRESS LC_CTYPE", env_keep+="LC_COLLATE
    LC_IDENTIFICATION LC_MEASUREMENT LC_MESSAGES", env_keep+="LC_MONETARY LC_NAME
    LC_NUMERIC LC_PAPER LC_TELEPHONE", env_keep+="LC_TIME LC_ALL LANGUAGE LINGUAS
    _XKB_CHARSET XAUTHORITY",
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/va
r/lib/snapd/snap/bin

User cshekar may run the following commands on ip-172-31-43-22:
    (ALL) NOPASSWD: ALL
[cshekar@ip-172-31-43-22 ~]$ su - chandrashekar
Password:
[chandrashekar@ip-172-31-43-22 ~]$ sudo -l
Matching Defaults entries for chandrashekar on ip-172-31-43-22:
    !visiblepw, always_set_home, match_group_by_gid, always_query_group_plugin,
    env_reset, env_keep="COLORS DISPLAY HOSTNAME HISTSIZE KDEDIR LS_COLORS",
    env_keep+="MAIL QTDIR USERNAME LANG LC_ADDRESS LC_CTYPE", env_keep+="LC_COLLATE
    LC_IDENTIFICATION LC_MEASUREMENT LC_MESSAGES", env_keep+="LC_MONETARY LC_NAME
    LC_NUMERIC LC_PAPER LC_TELEPHONE", env_keep+="LC_TIME LC_ALL LANGUAGE LINGUAS
    _XKB_CHARSET XAUTHORITY",
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/va
r/lib/snapd/snap/bin

User chandrashekar may run the following commands on ip-172-31-43-22:
    (ALL) NOPASSWD: ALL
[chandrashekar@ip-172-31-43-22 ~]$
```