

Basics Of System Administration in Linux

1) Create a new user account and home directory called "Duck"

ANS:

```
$ sudo adduser "duck"
```

```
$ su - duck
```

Enter the password of duck account

Home directory is automatically created when account is created.

2) Set the user account "Duck's" expiry date as 07 - 01 - 2015

ANS:

First logout of duck account

```
$ logout
```

Then go to your admin account/ root account and get root privileges and execute the following commands

```
$ sudo usermod -e 2015-01-07 duck
```

3) find the id of the user account "Duck"

```
$ su - duck
```

Enter the password of duck account

```
$ cd ~
```

```
$ id
```

```
duck@harsh:~$ id
uid=1001(duck) gid=1001(duck) groups=1001(duck)
duck@harsh:~$
```

4) Type df and du commands and see the output on your terminal.

ANS:

```
harsh@harsh:~$ df
Filesystem      1K-blocks    Used Available Use% Mounted on
tmpfs           400172      1544    398628   1% /run
/dev/sda3       50770432 14933276  33225752  32% /
tmpfs           2000852      0    2000852   0% /dev/shm
tmpfs           5120         4      5116    1% /run/lock
/dev/sda2       524252      6216    518036   2% /boot/efi
tmpfs           400168      120    400048   1% /run/user/1000
harsh@harsh:~$
```

```
harsh@harsh:~$ du | more
392      ../cache/gstreamer-1.0
8        ../cache/ubuntu-report
472      ../cache/thumbnails/large
8        ../cache/thumbnails/fail/gnome-thumbnail-factory
12       ../cache/thumbnails/fail
488      ../cache/thumbnails
192      ../cache/ibus/bus
196      ../cache/ibus
8        ../cache/mesa_shader_cache/63
12       ../cache/mesa_shader_cache/cc
12       ../cache/mesa_shader_cache/f0
8        ../cache/mesa_shader_cache/4a
8        ../cache/mesa_shader_cache/1a
8        ../cache/mesa_shader_cache/f4
8        ../cache/mesa_shader_cache/e5
8        ../cache/mesa_shader_cache/44
12       ../cache/mesa_shader_cache/5f
8        ../cache/mesa_shader_cache/29
```

5) Type this command on the terminal and see the output :
du -ch *.txt

ANS:

```
harsh@harsh:~$ du -ch *.txt
0         def.txt
0         exercise.txt
0         ghi.txt
4.0K      names.txt
4.0K      numbers1.txt
4.0K      numbers.txt
4.0K      test.txt
16K       total
harsh@harsh:~$
```

6) Delete the user account "Duck" permanently along with its home folder.

ANS:

The command to delete and account is:
\$ sudo userdel -r duck