



lt-puneetp

```
*Linux exercises
~/Downloads

1. Create a directory
2. Switch to this directory
3. Create a normal text file
4. Create a hidden text file
5. Modify the access of the hidden text file so that it can be edited only by root user.
6. Move the hidden file to a your desktop.
7. Create a directory, add 3 files into it and then remove the whole directory.
8. Create a new user group.
9. Create a new user and assign a new user home and the previously created usergroup to the user.
10. Create a symbolic link in a different location for the file created in step 3.
11. Open google chrome or any other web browser, see its memory usage using top command and end the process using the ps and grep commands.
12. Use ssh and scp commands to download and modify files on an external machine.
```

```
lt-puneetp@lt-puneetp: ~
lt-puneetp@lt-puneetp:~$ mkdir Exercise
lt-puneetp@lt-puneetp:~$
```

Inspired by Patient Safety, Driven by Technology





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INS



```
lt-puneetp@lt-puneetp:~$ mkdir Exercise
lt-puneetp@lt-puneetp:~$ cd Exercise/
lt-puneetp@lt-puneetp:~/Exercise$ touch abc
lt-puneetp@lt-puneetp:~/Exercise$ ls
abc
lt-puneetp@lt-puneetp:~/Exercise$
```

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Plain Text

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Ln 12, Col 82

IN

```
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lt-puneetp@lt-puneetp:~$ mkdir Exercise
lt-puneetp@lt-puneetp:~$ cd Exercise/
lt-puneetp@lt-puneetp:~/Exercise$ touch abc
lt-puneetp@lt-puneetp:~/Exercise$ ls
abc
lt-puneetp@lt-puneetp:~/Exercise$ touch .abc
lt-puneetp@lt-puneetp:~/Exercise$ ls -la
.  .. .abc abc
lt-puneetp@lt-puneetp:~/Exercise$
```

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Plain Text ▾ Tab Width: 8 ▾ Ln 12, Col 82 ▾ IN

lt-puneetp@ltpuneetp: ~/Exercise

```
lt-puneetp@lt-puneetp:~/Exercise$ ls -al
total 8
drwxr-xr-x  2 lt-puneetp lt-puneetp 4096 Feb 21 18:55 .
drwxr-xr-x 22 lt-puneetp lt-puneetp 4096 Feb 21 18:54 ..
-rw-rw-r--  1 lt-puneetp lt-puneetp   0 Feb 21 18:55 .abc
-rw-rw-r--  1 lt-puneetp lt-puneetp   0 Feb 21 18:55 abc
lt-puneetp@lt-puneetp:~/Exercise$ sudo chown root:root .abc
lt-puneetp@lt-puneetp:~/Exercise$ ls -al
total 8
drwxr-xr-x  2 lt-puneetp lt-puneetp 4096 Feb 21 18:55 .
drwxr-xr-x 22 lt-puneetp lt-puneetp 4096 Feb 21 18:54 ..
-rw-rw-r--  1 root      root      0 Feb 21 18:55 .abc
-rw-rw-r--  1 lt-puneetp lt-puneetp 0 Feb 21 18:55 abc
lt-puneetp@lt-puneetp:~/Exercise$
```

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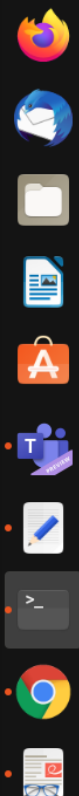


lt-puneetp

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## Inspired by Patient Safety, Driven by Technology

```
lt-puneetp@lt-puneetp:~/Exercise$ mv .abc ../Desktop/
lt-puneetp@lt-puneetp:~/Exercise$ cd ../Desktop/
lt-puneetp@lt-puneetp:~/Desktop$ ls
lt-puneetp@lt-puneetp:~/Desktop$ ls -a
.  ..  .abc
lt-puneetp@lt-puneetp:~/Desktop$
```



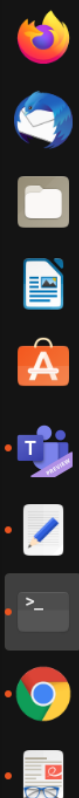
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```
lt-puneetp@lt-puneetp: ~
lt-puneetp@lt-puneetp:~/Exercise$ touch a b c
lt-puneetp@lt-puneetp:~/Exercise$ ls
a b c
lt-puneetp@lt-puneetp:~/Exercise$ cd ..
lt-puneetp@lt-puneetp:~$ rm -vr Exercise/
removed 'Exercise/a'
removed 'Exercise/b'
removed 'Exercise/c'
removed directory 'Exercise/'
lt-puneetp@lt-puneetp:~$
```

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lt-puneetp@lt-puneetp: ~
lt-puneetp@lt-puneetp:~$ sudo groupadd NewUserGroup
groupadd: group 'NewUserGroup' already exists
lt-puneetp@lt-puneetp:~$ sudo useradd -g NewUserGroup -d /home/lt-newuser NewUser
lt-puneetp@lt-puneetp:~$
```

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```

```
lt-puneetp@lt-puneetp: ~/Desktop

lt-puneetp@lt-puneetp:~/Exercise$ ls
abc
lt-puneetp@lt-puneetp:~/Exercise$ cd ../Desktop/
lt-puneetp@lt-puneetp:~/Desktop$ ln -s /home/lt-puneetp/abc
lt-puneetp@lt-puneetp:~/Desktop$ ls -l
total 0
lrwxrwxrwx 1 lt-puneetp lt-puneetp 20 Feb 21 19:16 abc -> /home/lt-puneetp/abc
lt-puneetp@lt-puneetp:~/Desktop$
```

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New Tab x +

Search Google or type a URL

Apps OneLogin Timesheet Outlook

Open

\*Linux exercises

~/Downloads

Save

-

□

✕

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INS



Linux mv



Timesheet



Email



OneLogin



OneLogin

lt-puneetp@lt-puneetp: ~

```
top - 19:55:14 up 10:35, 1 user, load average: 0.23, 0.30, 0.33
Tasks: 294 total, 1 running, 293 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.4 us, 0.3 sy, 0.0 ni, 99.2 id, 0.1 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 15671.3 total, 8732.5 free, 1982.1 used, 4956.7 buff/cache
MiB Swap: 2048.0 total, 2048.0 free, 0.0 used, 13007.5 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2037	lt-pune+	20	0	1027776	115704	74836	S	2.7	0.7	6:43.98	teams
4070	lt-pune+	20	0	5701720	297164	125196	S	2.0	1.9	5:33.91	teams
33545	lt-pune+	20	0	823396	51732	39088	S	1.0	0.3	0:00.57	gnome-t+
1473	lt-pune+	20	0	506820	87420	47708	S	0.7	0.5	4:09.78	Xorg
1611	lt-pune+	20	0	4799212	322184	109932	S	0.7	2.0	6:00.78	gnome-s+
4009	lt-pune+	20	0	13.5g	400600	83528	S	0.7	2.5	8:12.25	teams
411	root	-51	0	0	0	0	S	0.3	0.0	0:22.36	irq/154+
4380	lt-pune+	20	0	8745576	163004	118568	S	0.3	1.0	9:23.12	teams
32650	root	20	0	0	0	0	I	0.3	0.0	0:00.05	kworker+
33588	lt-pune+	20	0	16.5g	195480	138676	S	0.3	1.2	0:01.25	chrome
33851	lt-pune+	20	0	20624	4012	3248	R	0.3	0.0	0:00.11	top
1	root	20	0	167740	11592	8308	S	0.0	0.1	0:02.94	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.05	kthreadd
3	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_par+
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker+
9	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_perc+
10	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tas+
11	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tas+
12	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tas+
13	root	20	0	0	0	0	S	0.0	0.0	0:00.21	ksofttir
14	root	20	0	0	0	0	I	0.0	0.0	0:29.05	rcu_sch+
15	root	rt	0	0	0	0	S	0.0	0.0	0:00.13	migrati+
16	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_in+
17	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/0

Gmail Images



Reading list



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```
lt-puneetp@lt-puneetp: ~
lt-puneetp@lt-puneetp:~$ ps ux | grep chrome | awk '{print $2}' | xargs kill -9
kill: (33917): No such process
lt-puneetp@lt-puneetp:~$
```

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```
lt-puneetp@lt-puneetp: ~
lt-puneetp@lt-puneetp:~$ ssh rx-ammarrk@172.28.2.82
The authenticity of host '172.28.2.82 (172.28.2.82)' can't be established.
ECDSA key fingerprint is SHA256:tLYCuHz+6kbuR7MFYmSRzzhHzhVjikpr560sAvtisSA.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '172.28.2.82' (ECDSA) to the list of known hosts.
rx-ammarrk@172.28.2.82's password:
Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.10.0-1057-oem x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

1 device has a firmware upgrade available.
Run 'fwupdmgrr get-upgrades' for more information.

6 updates can be applied immediately.
1 of these updates is a standard security update.
To see these additional updates run: apt list --upgradable

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

rx-ammarrk@ammarr-khan-lt-ammarrk:~$ touch nf
rx-ammarrk@ammarr-khan-lt-ammarrk:~$ ls
backport-iwlwifi  IdeaProjects  newfile.txt  snap
Desktop           'linux_commands.txt'  nf           Templates
Documents         linux-firmware  Pictures     test
Downloads         Music           Public       Videos

rx-ammarrk@ammarr-khan-lt-ammarrk:~$ exit
logout
```

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```
lt-puneetp@lt-puneetp: ~
lt-puneetp@lt-puneetp:~$ scp rx-ammak@172.28.2.82:/home/rx-ammak/nf ~
rx-ammak@172.28.2.82's password:
nf 100% 0 0.0KB/s 00:00
lt-puneetp@lt-puneetp:~$ ls
Desktop Downloads IdeaProjects newfile.txt Pictures snap Videos
Documents Exercise Music nf Public Templates
lt-puneetp@lt-puneetp:~$
```

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