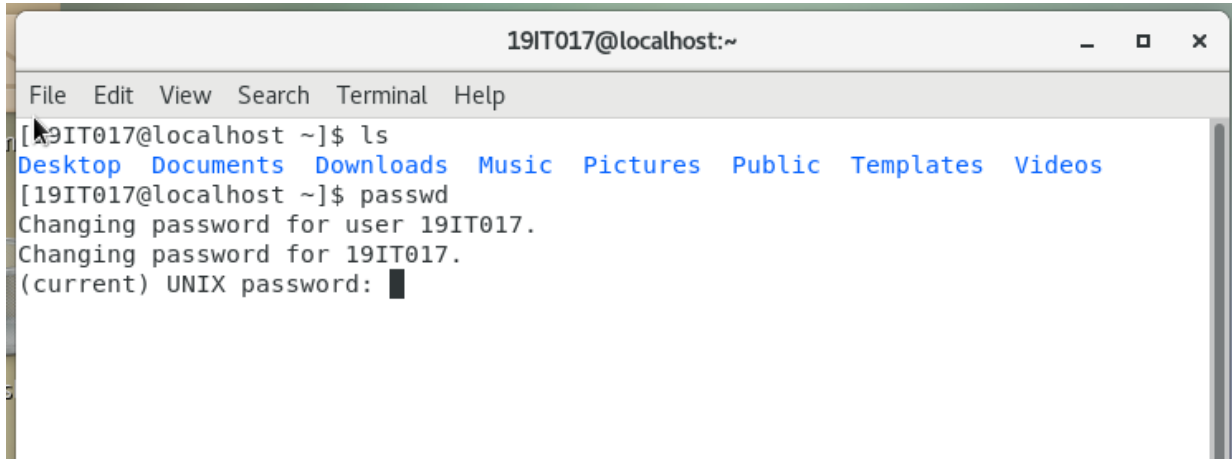


PRACTICAL-02

- Change your password



```

19IT017@localhost:~
File Edit View Search Terminal Help
[19IT017@localhost ~]$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
[19IT017@localhost ~]$ passwd
Changing password for user 19IT017.
Changing password for 19IT017.
(current) UNIX password:
  
```

- Create 10 files under your home directory (File names = jerry, kramer, george, lex, clark, lois, homer, bart, lisa, and marge)

```

(current) UNIX password:
[19IT017@localhost ~]$ touch jerry kramer george lex clark lois homer bart lisa
marge
[19IT017@localhost ~]$ ls
bart Desktop Downloads homer kramer lisa marge Pictures Templates
clark Documents george jerry lex lois Music Public Videos
[19IT017@localhost ~]$
  
```

- Create 3 directories under your home directory (Dir name = seinfeld, superman and simpsons)

```

bart Desktop Downloads homer kramer lisa marge Pictures Templates
clark Documents george jerry lex lois Music Public Videos
[19IT017@localhost ~]$ mkdir seinfeld superman simpsons
[19IT017@localhost ~]$ ls
bart Documents homer lex marge Public superman
clark Downloads jerry lisa Music seinfeld Templates
Desktop george kramer lois Pictures simpsons Videos
[19IT017@localhost ~]$
  
```

- Create a new file jupiter and write to it as "Jupiter is a planet". Then create a soft link in /tmp directory

```

Clark      Downloads  jerry  Lisa  Music  semireto  templates
Desktop    george  kramer  lois  Pictures  simpsons  Videos
[19IT017@localhost ~]$ cat > jupiter
Jupiter is a planet
^C
[19IT017@localhost ~]$ cat jupiter
Jupiter is a planet
[19IT017@localhost ~]$ /tmp
bash: /tmp: Is a directory
[19IT017@localhost ~]$ cd /tmp
[19IT017@localhost tmp]$ ln -s /home/19IT017/jupiter
[19IT017@localhost tmp]$ ls -lpr
total 12
-rw-----. 1 root    root      0 Jul 29 08:42 yum.log
drwx-----. 2 19IT017 19IT017   6 Jul 29 09:21 tracker-extract-files.1000/
drwx-----. 3 root    root      17 Jul 29 08:57 systemd-private-973ae62fcf844d60
adc07eea76ff7f8b-rtkit-daemon.service-wzGIe8/
drwx-----. 3 root    root      17 Jul 29 09:00 systemd-private-973ae62fcf844d60
adc07eea76ff7f8b-fwupd.service-dlcEn9/
drwx-----. 3 root    root      17 Jul 29 08:58 systemd-private-973ae62fcf844d60

```

```

drwx-----. 2 19IT017 19IT017   6 Jul 29 09:21 tracker-extract-files.1000/
drwx-----. 3 root    root      17 Jul 29 08:57 systemd-private-973ae62fcf844d60
adc07eea76ff7f8b-rtkit-daemon.service-wzGIe8/
drwx-----. 3 root    root      17 Jul 29 09:00 systemd-private-973ae62fcf844d60
adc07eea76ff7f8b-fwupd.service-dlcEn9/
drwx-----. 3 root    root      17 Jul 29 08:58 systemd-private-973ae62fcf844d60
adc07eea76ff7f8b-cups.service-lylbLQ/
drwx-----. 3 root    root      17 Jul 29 08:59 systemd-private-973ae62fcf844d60
adc07eea76ff7f8b-colord.service-og2vZJ/
drwx-----. 3 root    root      17 Jul 29 08:57 systemd-private-973ae62fcf844d60
adc07eea76ff7f8b-chronyd.service-m2TQU6/
drwx-----. 3 root    root      17 Jul 29 08:59 systemd-private-973ae62fcf844d60
adc07eea76ff7f8b-bolt.service-tSdh2E/
-rw-r--r--. 1 root    root      0 Jul 29 08:58 storage.log
drwx-----. 2 19IT017 19IT017  24 Jul 29 08:59 ssh-McXIE0ecjubN/
-rw-r--r--. 1 root    root      0 Jul 29 08:58 sensitive-info.log
-rw-r--r--. 1 root    root      0 Jul 29 08:58 program.log
-rw-r--r--. 1 root    root      0 Jul 29 08:58 packaging.log
-rwx-----. 1 root    root     836 Jul 29 08:57 ks-script-3XdC00
lrwxrwxrwx. 1 19IT017 19IT017  21 Jul 29 09:27 jupiter -> /home/19IT017/jupiter
-rw-r--r--. 1 root    root     420 Jul 29 08:58 ifcfg.log
drwxr-xr-x. 2 root    root     18 Jul 29 08:47 hsperfdata_root/
-rw-r--r--. 1 root    root    1149 Jul 29 08:58 anaconda.log
[19IT017@localhost tmp]$

```

- Also create a hard link of jupiter in /tmp directory

```
jupiter is a planet
[19it017@localhost ~]$ ln -s jupiter /tmp
[19it017@localhost ~]$ cd /tmp
[19it017@localhost tmp]$ ls
anaconda.log          storage.log
hsperfdata_root       systemd-private-feb1b33a80734207add0d4c656fdf964-bolt.service-9FGYfl
ifcfg.log             systemd-private-feb1b33a80734207add0d4c656fdf964-chrond.service-ifpcFV
jupiter              systemd-private-feb1b33a80734207add0d4c656fdf964-colord.service-jZPUra
ks-script-HJtrib      systemd-private-feb1b33a80734207add0d4c656fdf964-cups.service-47GqVr
packaging.log         systemd-private-feb1b33a80734207add0d4c656fdf964-fwupd.service-zt4of3
program.log          systemd-private-feb1b33a80734207add0d4c656fdf964-rtkit-daemon.service-uo6IPt
sensitive-info.log    tracker-extract-files.1000
ssh-BmlklIeIBzbj      yum.log
[19it017@localhost tmp]$ ln jupiter /tmp/jup2
[19it017@localhost tmp]$ cd /tmp
[19it017@localhost tmp]$ ls
anaconda.log          storage.log
hsperfdata_root       systemd-private-feb1b33a80734207add0d4c656fdf964-bolt.service-9FGYfl
ifcfg.log             systemd-private-feb1b33a80734207add0d4c656fdf964-chrond.service-ifpcFV
```

- Check the inodes of both links

```
[19it017@localhost /]$ ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp us
[19it017@localhost /]$ ln jupiter /tmp/jup2
ln: failed to access '/tmp/jup2': Too many levels of symbolic links
[19it017@localhost /]$ cd /tmp
[19it017@localhost tmp]$ ls -li
5382962 anaconda.log
1689283 hsperfdata_root
5382967 ifcfg.log
5380527 jup2
5380527 jupiter
5359773 ks-script-HJtrib
5382965 packaging.log
5382964 program.log
5382966 sensitive-info.log
5380538 ssh-BmlklIeIBzbj
5382963 storage.log
8409178 systemd-private-feb1b33a80734207add0d4c656fdf964-bolt.service-9FGYfl
3159960 systemd-private-feb1b33a80734207add0d4c656fdf964-chrond.service-ifpcFV
5380533 systemd-private-feb1b33a80734207add0d4c656fdf964-colord.service-jZPUra
14108509 systemd-private-feb1b33a80734207add0d4c656fdf964-cups.service-47GqVr
8409213 systemd-private-feb1b33a80734207add0d4c656fdf964-fwupd.service-zt4of3
8409158 systemd-private-feb1b33a80734207add0d4c656fdf964-rtkit-daemon.service-uo6IPt
5382956 tracker-extract-files.1000
4194377 yum.log
[19it017@localhost tmp]$ cd jup2
```

- Commands to determine the file system type in Linux OS

```

4194377 yum.log
[19it017@localhost tmp]$ cd jup2
bash: cd: jup2: Too many levels of symbolic links
[19it017@localhost tmp]$ df -Th
Filesystem                Type      Size  Used Avail Use% Mounted on
devtmpfs                  devtmpfs  903M   0    903M   0% /dev
tmpfs                     tmpfs     920M   0    920M   0% /dev/shm
tmpfs                     tmpfs     920M  9.5M   910M   2% /run
tmpfs                     tmpfs     920M   0    920M   0% /sys/fs/cgroup
/dev/mapper/centos-root   xfs       7.9G  3.9G   4.1G  49% /
/dev/sda1                 xfs      1014M  184M   831M  19% /boot
tmpfs                     tmpfs     184M   48K   184M   1% /run/user/1000
[19it017@localhost tmp]$ lsblk -f
NAME        FSTYPE     LABEL  UUID                                  MOUNTPOINT
sda
├─sda1      xfs        8f7661e8-16b6-468b-a4a7-e6babf694770 /boot
├─sda2      LVM2_member
│  └─centos-root xfs        d6236c59-b78d-42da-8176-19dc849f270c /
│     └─centos-swap swap        ac673cc5-b979-4575-9465-9a8059fb0e45 [SWAP]
sr0
[19it017@localhost tmp]$ █

```

