

Lab Time :

Try Try Try ... Success

1. Create a directory named `/home/student/files` for the existing file, `/home/student/files/source.file`.

```
[student@servera ~]$ mkdir files/ ; touch files/source.file
```

2. Create a hard link named `/home/student/backups/source.backup` for the existing file, **`/home/student/files/source.file`**.

- 2.1. View the link count for the file, **`/home/student/files/source.file`**.

```
[student@servera ~]$ ls -l files/source.file
total 4
-rw-r--r--. 1 student student 11 Oct 5 21:19 source.file
```

- 2.2. Create a hard link named **`/home/student/backups/source.backup`**. Link it to the file, **`/home/student/files/source.file`**.

```
[student@servera ~]$ ln /home/student/files/source.file \
> /home/student/backups/source.backup
```

- 2.3. Verify the link count for the original **`/home/student/files/source.file`** and the new linked file, **`/home/student/backups/source.backup`**. The link count should be **2** for both files.

```
[student@servera ~]$ ls -l /home/student/files/
```

```
-rw-r--r--. 2 student student 11 Oct 5 21:19 source.file
```

```
[student@servera ~]$ ls -l /home/student/backups/
```

```
-rw-r--r--. 2 student student 11 Oct 5 21:19 source.backup
```

3. Create a soft link named **`/home/student/tempdir`** that points to the **`/tmp`** directory on servera.

- 3.1. Create a soft link named **`/home/student/tempdir`** and link it to **`/tmp`**.

```
[student@servera ~]$ ln -s /tmp /home/student/tempdir
```

3.2. Use the `ls -l` command to verify the newly created soft link.

```
[student@servera ~]$ ls -l /home/student/tempdir
```

```
lrwxrwxrwx. 1 student student 4 Oct 5 22:04 /home/student/tempdir -> /tmp
```

4. Exit from servera.

```
student@servera ~]$ exit  
logout
```

Connection to servera closed.

```
[student@workstation ~]$
```

Finish