

## Lab 5

### 1. Is /tmp/backups

I compressed Tuwaiq folder and copied it to /tmp/backups then decompressed it.

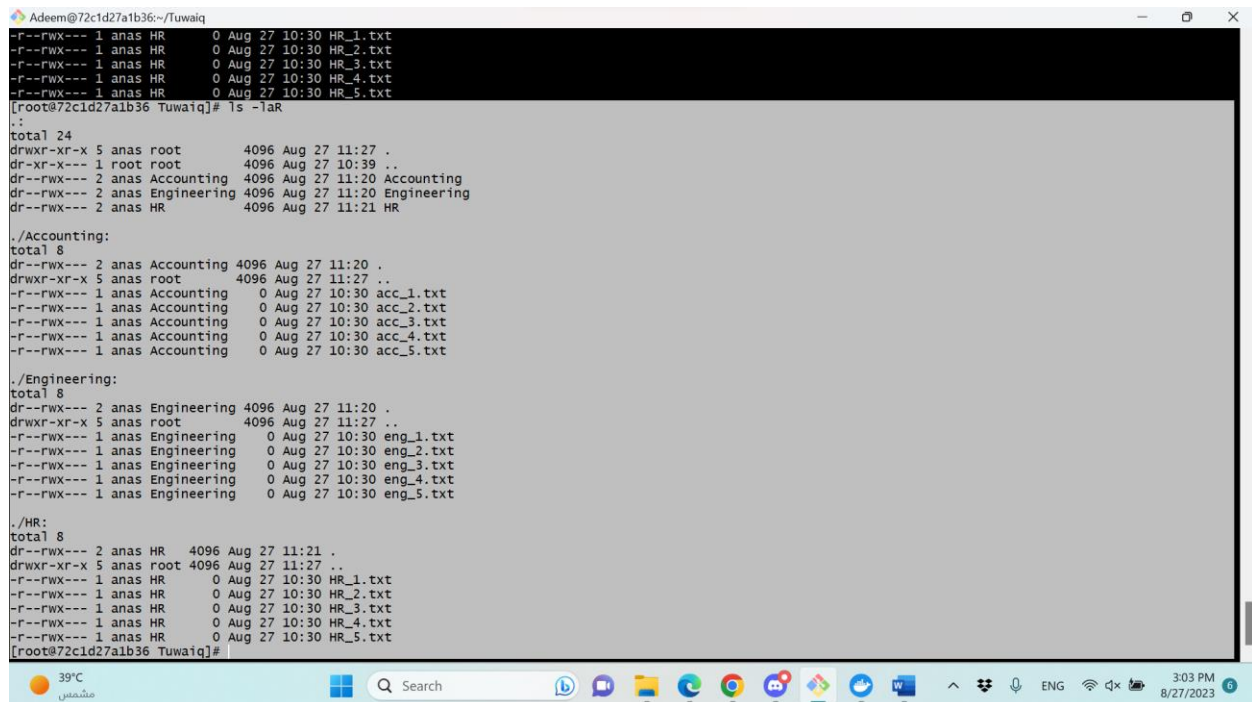
```
[root@72c1d27a1b36 tmp]# cd backups
[root@72c1d27a1b36 backups]# cd ..
[root@72c1d27a1b36 tmp]# cd ..
[root@72c1d27a1b36 /]# cd ..
[root@72c1d27a1b36 /]# ls /tmp/backups
compTuwaiq.tar.gz  Tuwaiq
[root@72c1d27a1b36 /]#
```

- Sub steps:

```
[root@72c1d27a1b36 /]# cd tmp
[root@72c1d27a1b36 tmp]# ls
ks-script-4luisy1a  ks-script-o23i7rc2  ks-script-x6ei4wu
[root@72c1d27a1b36 tmp]# mkdir backups
[root@72c1d27a1b36 tmp]# ls
backups  ks-script-4luisy1a  ks-script-o23i7rc2  ks-script-x6ei4wu
[root@72c1d27a1b36 tmp]# pwd
```

### 2. Is -laR

- from Tuwaiq directory.



```
Adeem@72c1d27a1b36:~/Tuwaiq
-r--rwx--- 1 anas HR      0 Aug 27 10:30 HR_1.txt
-r--rwx--- 1 anas HR      0 Aug 27 10:30 HR_2.txt
-r--rwx--- 1 anas HR      0 Aug 27 10:30 HR_3.txt
-r--rwx--- 1 anas HR      0 Aug 27 10:30 HR_4.txt
-r--rwx--- 1 anas HR      0 Aug 27 10:30 HR_5.txt
[root@72c1d27a1b36 Tuwaiq]# ls -laR
.:
total 24
drwxr-xr-x 5 anas root    4096 Aug 27 11:27 .
dr-xr-x--- 1 root root    4096 Aug 27 10:39 ..
dr--rwx--- 2 anas Accounting 4096 Aug 27 11:20 Accounting
dr--rwx--- 2 anas Engineering 4096 Aug 27 11:20 Engineering
dr--rwx--- 2 anas HR      4096 Aug 27 11:21 HR
./Accounting:
total 8
dr--rwx--- 2 anas Accounting 4096 Aug 27 11:20 .
drwxr-xr-x 5 anas root    4096 Aug 27 11:27 ..
-r--rwx--- 1 anas Accounting  0 Aug 27 10:30 acc_1.txt
-r--rwx--- 1 anas Accounting  0 Aug 27 10:30 acc_2.txt
-r--rwx--- 1 anas Accounting  0 Aug 27 10:30 acc_3.txt
-r--rwx--- 1 anas Accounting  0 Aug 27 10:30 acc_4.txt
-r--rwx--- 1 anas Accounting  0 Aug 27 10:30 acc_5.txt
./Engineering:
total 8
dr--rwx--- 2 anas Engineering 4096 Aug 27 11:20 .
drwxr-xr-x 5 anas root    4096 Aug 27 11:27 ..
-r--rwx--- 1 anas Engineering  0 Aug 27 10:30 eng_1.txt
-r--rwx--- 1 anas Engineering  0 Aug 27 10:30 eng_2.txt
-r--rwx--- 1 anas Engineering  0 Aug 27 10:30 eng_3.txt
-r--rwx--- 1 anas Engineering  0 Aug 27 10:30 eng_4.txt
-r--rwx--- 1 anas Engineering  0 Aug 27 10:30 eng_5.txt
./HR:
total 8
dr--rwx--- 2 anas HR      4096 Aug 27 11:21 .
drwxr-xr-x 5 anas root    4096 Aug 27 11:27 ..
-r--rwx--- 1 anas HR      0 Aug 27 10:30 HR_1.txt
-r--rwx--- 1 anas HR      0 Aug 27 10:30 HR_2.txt
-r--rwx--- 1 anas HR      0 Aug 27 10:30 HR_3.txt
-r--rwx--- 1 anas HR      0 Aug 27 10:30 HR_4.txt
-r--rwx--- 1 anas HR      0 Aug 27 10:30 HR_5.txt
[root@72c1d27a1b36 Tuwaiq]#
```

- From /tmp/backups

```
Adeem@72c1d27a1b36:/tmp/backups
total 16
drwxr-xr-x 3 root root 4096 Aug 27 18:42 .
drwxrwxrwt 1 root root 4096 Aug 27 12:20 ..
-rw-r--r-- 1 root root 454 Aug 27 15:26 compTuwaiq.tar.gz
drwxr-xr-x 5 anas root 4096 Aug 27 11:27 Tuwaiq

./Tuwaiq:
total 20
drwxr-xr-x 5 anas root 4096 Aug 27 11:27 .
drwxr-xr-x 3 root root 4096 Aug 27 18:42 ..
dr--rwx--- 2 anas Accounting 4096 Aug 27 11:20 Accounting
dr--rwx--- 2 anas Engineering 4096 Aug 27 11:20 Engineering
dr--rwx--- 2 anas HR 4096 Aug 27 11:21 HR

./Tuwaiq/Accounting:
total 8
dr--rwx--- 2 anas Accounting 4096 Aug 27 11:20 .
drwxr-xr-x 5 anas root 4096 Aug 27 11:27 ..
-r--rwx--- 1 anas Accounting 0 Aug 27 10:30 acc_1.txt
-r--rwx--- 1 anas Accounting 0 Aug 27 10:30 acc_2.txt
-r--rwx--- 1 anas Accounting 0 Aug 27 10:30 acc_3.txt
-r--rwx--- 1 anas Accounting 0 Aug 27 10:30 acc_4.txt
-r--rwx--- 1 anas Accounting 0 Aug 27 10:30 acc_5.txt

./Tuwaiq/Engineering:
total 8
dr--rwx--- 2 anas Engineering 4096 Aug 27 11:20 .
drwxr-xr-x 5 anas root 4096 Aug 27 11:27 ..
-r--rwx--- 1 anas Engineering 0 Aug 27 10:30 eng_1.txt
-r--rwx--- 1 anas Engineering 0 Aug 27 10:30 eng_2.txt
-r--rwx--- 1 anas Engineering 0 Aug 27 10:30 eng_3.txt
-r--rwx--- 1 anas Engineering 0 Aug 27 10:30 eng_4.txt
-r--rwx--- 1 anas Engineering 0 Aug 27 10:30 eng_5.txt

./Tuwaiq/HR:
total 8
dr--rwx--- 2 anas HR 4096 Aug 27 11:21 .
drwxr-xr-x 5 anas root 4096 Aug 27 11:27 ..
-r--rwx--- 1 anas HR 0 Aug 27 10:30 HR_1.txt
-r--rwx--- 1 anas HR 0 Aug 27 10:30 HR_2.txt
-r--rwx--- 1 anas HR 0 Aug 27 10:30 HR_3.txt
-r--rwx--- 1 anas HR 0 Aug 27 10:30 HR_4.txt
-r--rwx--- 1 anas HR 0 Aug 27 10:30 HR_5.txt
[root@72c1d27a1b36 backups]#
```

### 3. Sub steps of the file compression, copy, and decompression:

```
Adeem@72c1d27a1b36/
anaconda-post.log groups.txt original-ks.cfg Tuwaiq
calender.txt index.html tartest users.txt
[root@72c1d27a1b36 ~]# tar -cf compTuwaiq.tar Tuwaiq
[root@72c1d27a1b36 ~]# ls
adeem.txt CKAct.txt mydir Tuwaiq
anaconda-ks.cfg compTuwaiq.tar original-ks.cfg users.txt
anaconda-post.log groups.txt tartest
calender.txt index.html tartest.tar.gz
cal.txt logs.txt test
[root@72c1d27a1b36 ~]# ls -l
total 80
-rw-r--r-- 1 root root 6 Aug 24 08:08 adeem.txt
-rw-r--r-- 1 root root 2361 Sep 15 2021 anaconda-ks.cfg
-rw-r--r-- 1 root root 608 Sep 15 2021 anaconda-post.log
-rw-r--r-- 1 root root 168 Aug 22 11:40 calender.txt
-rw-r--r-- 1 root root 69 Aug 22 10:49 cal.txt
-rw-r--r-- 1 root root 1 Aug 24 08:06 CKAct.txt
-rw-r--r-- 1 root root 454 Aug 27 15:19 compTuwaiq.tar.gz
-rw-r--r-- 1 root root 30 Aug 23 18:42 groups.txt
-rw-r--r-- 1 root root 0 Aug 22 10:41 index.html
-rw-r--r-- 1 root root 29 Aug 22 11:48 logs.txt
drwxr-xr-x 3 root root 4096 Aug 24 11:18 mydir

calender.txt index.html tartest.tar.gz
cal.txt logs.txt test
[root@72c1d27a1b36 ~]# cp compTuwaiq.tar.gz /tmp/backups
[root@72c1d27a1b36 ~]# ls
adeem.txt CKAct.txt mydir Tuwaiq
bash: cd: backups: No such file or directory
[root@72c1d27a1b36 ~]# cd tmp
[root@72c1d27a1b36 tmp]# cd backups
[root@72c1d27a1b36 backups]# tar -xf compTuwaiq.tar.gz
```

#### 4. Some steps of the chown command:

```
Accounting Engineering HR
[root@72c1d27a1b36 Tuwaiq]# chown ahmed:Engineering Accounting
[root@72c1d27a1b36 Tuwaiq]# chown salwa:Accounting Accounting
[root@72c1d27a1b36 Tuwaiq]# chown ahmed:Engineering Engineering
[root@72c1d27a1b36 Tuwaiq]# ls -l
total 12
drwxr-xr-x 2 salwa Accounting 4096 Aug 27 11:20 Accounting
drwxr-xr-x 2 ahmed Engineering 4096 Aug 27 11:20 Engineering
drwxr-xr-x 2 root root 4096 Aug 27 11:21 HR
[root@72c1d27a1b36 Tuwaiq]# chown hazem:HR HR
[root@72c1d27a1b36 Tuwaiq]# ls -l
total 12
drwxr-xr-x 2 salwa Accounting 4096 Aug 27 11:20 Accounting
drwxr-xr-x 2 ahmed Engineering 4096 Aug 27 11:20 Engineering
drwxr-xr-x 2 hazem HR 4096 Aug 27 11:21 HR
[root@72c1d27a1b36 Tuwaiq]#
```

```
[root@72c1d27a1b36 Tuwaiq]# cd ..
[root@72c1d27a1b36 ~]# chown anas Tuwaiq
[root@72c1d27a1b36 ~]# ls -l
total 60
-rw-r--r-- 1 root root 6 Aug 24 08:08 adeem.txt
-rw----- 1 root root 2361 Sep 15 2021 anaconda-ks.cfg
-rw-r--r-- 1 root root 608 Sep 15 2021 anaconda-post.log
-rw-r--r-- 1 root root 168 Aug 22 11:40 calender.txt
-rw-r--r-- 1 root root 69 Aug 22 10:49 cal.txt
-rw-r--r-- 1 root root 1 Aug 24 08:06 CKAct.txt
-rw-r--r-- 1 root root 30 Aug 23 18:42 groups.txt
-rw-rwxr-- 1 root root 0 Aug 22 10:41 index.html
-rw-r--r-- 1 root root 29 Aug 22 11:48 logs.txt
drwxr-xr-x 3 root root 4096 Aug 24 11:18 mydir
-rw----- 1 root root 2059 Sep 15 2021 original-ks.cfg
drwxr-xr-x 2 root root 4096 Aug 24 08:20 tartest
-rw-r--r-- 1 root root 165 Aug 24 08:22 tartest.tar.gz
drwxr-xr-x 3 root root 4096 Aug 27 08:50 test
drwxr-xr-x 5 anas root 4096 Aug 27 11:27 Tuwaiq
-rw-r--r-- 1 root root 45 Aug 23 17:59 users.txt
[root@72c1d27a1b36 ~]#
```