Lab 6 Prelab – Operating Systems

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Part A:

```
[yyzsuraj@toronto7188 ~]$ df -Th /finance /hrd /sales /tech /apps /databases
Filesystem      Type   Size   Used Avail Use% Mounted on
/dev/sdb1       xfs     94M   5.9M    88M   7% /finance
/dev/sdc1       xfs    195M    12M   184M   6% /hrd
/dev/sdc2       xfs     94M   5.9M    88M   7% /sales
/dev/sdd1       xfs     75M   4.8M    70M   7% /tech
/dev/sdd3       xfs    164M   9.9M   154M   7% /apps
/dev/sdd2       xfs    145M   8.8M   136M   7% /databases
[yyzsuraj@toronto7188 ~]$
```

Part B:

A.

```
[yyzsuraj@toronto7188 ~]$ ls -ld /finance /hrd /sales /tech /apps /databases
drwxrwxr-x. 2 raymondc tech      6 Feb  9 20:01 /apps
drwxrwxr-x. 2 raymondc tech      6 Feb  9 20:01 /databases
drwxrwxr-x. 2 nancyt    finance 6 Feb  9 19:02 /finance
drwxrwxr-x. 2 casseyj   hrd      6 Feb  9 20:04 /hrd
drwxrwxr-x. 2 johns     sales    6 Feb  9 20:05 /sales
drwxrwxr-x. 2 raymondc tech      6 Feb  9 19:19 /tech
[yyzsuraj@toronto7188 ~]$
```

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B.

```
[yyzsuraj@toronto7188 ~]$ ls -la /finance /hrd /sales /tech /apps /databases
/apps:
total 4
drwxrwxr-x.  2 raymondc tech     6 Feb  9 20:01 .
dr-xr-xr-x. 28 root     root 4096 Mar  8 18:01 ..

/databases:
total 4
drwxrwxr-x.  2 raymondc tech     6 Feb  9 20:01 .
dr-xr-xr-x. 28 root     root 4096 Mar  8 18:01 ..

/finance:
total 4
drwxrwxr-x.  2 nancyt finance    6 Feb  9 19:02 .
dr-xr-xr-x. 28 root   root    4096 Mar  8 18:01 ..

/hrd:
total 4
drwxrwxr-x.  2 casseyj hrd       6 Feb  9 20:04 .
dr-xr-xr-x. 28 root    root 4096 Mar  8 18:01 ..

/sales:
total 4
drwxrwxr-x.  2 johns sales       6 Feb  9 20:05 .
dr-xr-xr-x. 28 root  root  4096 Mar  8 18:01 ..

/tech:
total 4
drwxrwxr-x.  2 raymondc tech     6 Feb  9 19:19 .
dr-xr-xr-x. 28 root     root 4096 Mar  8 18:01 ..
[yyzsuraj@toronto7188 ~]$
```

Part C:

A.

```
[yyzsuraj@toronto7188 lab4]$ df -Th /finance
Filesystem      Type  Size  Used Avail Use% Mounted on
/dev/sdb1       xfs    94M  5.9M   88M   7% /finance
[yyzsuraj@toronto7188 lab4]$
```

B.

```
[yyzsuraj@toronto7188 lab4]$ sudo ls -ld /finance
[sudo] password for yyzsuraj:
drwxrwxr-x. 3 nancyt finance 44 Mar  8 20:39 /finance
[yyzsuraj@toronto7188 lab4]$
```

C.

```
[yyzsuraj@toronto7188 lab4]$ sudo ls -lR /finance
/finance:
total 8
drwxr-xr-x. 2 nancyt finance 23 Mar  8 20:49 common
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin1
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin2

/finance/common:
total 4
-rw-r-----. 1 nancyt finance 10 Mar  8 20:49 fincommon
[yyzsuraj@toronto7188 lab4]$
```

Part E:

```
[yyzsuraj@toronto7188 ~]$ df -Th /finance /hrd /sales /tech
Filesystem      Type  Size  Used Avail Use% Mounted on
/dev/sdb1       xfs    94M  5.9M   88M   7% /finance
/dev/sdc1       xfs   195M   12M  184M   6% /hrd
/dev/sdc2       xfs    94M  5.9M   88M   7% /sales
/dev/sdd1       xfs    75M  4.9M   70M   7% /tech
[yyzsuraj@toronto7188 ~]$
```

```
[yyzsuraj@toronto7188 ~]$ sudo ls -ld /finance /hrd /sales /tech
[sudo] password for yyzsuraj:
drwxrwxr-x. 3 nancyt   finance 44 Mar  8 20:39 /finance
drwxrwxr-x. 3 casseyj  hrd     44 Mar  8 21:42 /hrd
drwxrwxr-x. 2 johns    sales    6 Feb  9 20:05 /sales
drwxrwxr-x. 3 raymondc tech    46 Mar  9 19:11 /tech
[yyzsuraj@toronto7188 ~]$
```

```
[yyzsuraj@toronto7188 ~]$ sudo ls -lR /finance /hrd /sales /tech
/finance:
total 8
drwxr-xr-x. 2 nancyt finance 23 Mar  8 20:49 common
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin1
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin2

/finance/common:
total 4
-rw-r-----. 1 nancyt finance 10 Mar  8 20:49 fincommon

/hrd:
total 8
drwxr-xr-x. 2 casseyj hrd 23 Mar  8 21:44 common
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd1
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd2

/hrd/common:
total 4
-rw-r-----. 1 casseyj hrd 10 Mar  8 21:44 hrdcommon

/sales:
total 0

/tech:
total 8
drwxrwxr-x. 2 raymondc tech 24 Mar  9 19:13 common
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech1
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech2

/tech/common:
total 4
-rw-rw-r--. 1 raymondc tech 11 Mar  9 19:13 techcommon
[yyzsuraj@toronto7188 ~]$
```

Part F:

24.

```
[preets@toronto7188 ~]$ ls -l /finance
total 8
drwxr-xr-x. 2 nancyt finance 23 Mar  8 20:49 common
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin1
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin2
[preets@toronto7188 ~]$ ls -l /hrd
total 8
drwxr-xr-x. 2 casseyj hrd 23 Mar  8 21:44 common
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd1
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd2
[preets@toronto7188 ~]$ ls -l /tech
total 8
drwxrwxr-x. 2 raymondc tech 24 Mar  9 19:13 common
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech1
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech2
[preets@toronto7188 ~]$
```

25.

```
[janew@toronto7188 ~]$ ls -l /finance /hrd /tech
/finance:
total 8
drwxr-xr-x. 2 nancyt finance 23 Mar  8 20:49 common
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin1
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin2

/hrd:
total 8
drwxr-xr-x. 2 casseyj hrd 23 Mar  8 21:44 common
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd1
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd2

/tech:
total 8
drwxrwxr-x. 2 raymondc tech 24 Mar  9 19:13 common
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech1
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech2
[janew@toronto7188 ~]$
```

26.

```
[lesliel@toronto7188 ~]$ ls -l /finance /hrd /tech
/finance:
total 8
drwxr-xr-x. 2 nancyt finance 23 Mar  8 20:49 common
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin1
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin2

/hrd:
total 8
drwxr-xr-x. 2 casseyj hrd 23 Mar  8 21:44 common
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd1
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd2

/tech:
total 8
drwxrwxr-x. 2 raymondc tech 24 Mar  9 19:13 common
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech1
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech2
[lesliel@toronto7188 ~]$ 
```

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27.

```
[ahmedk@toronto7188 ~]$ ls -l /finance /hrd /tech
/finance:
total 8
drwxr-xr-x. 2 nancyt finance 23 Mar  8 20:49 common
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin1
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin2

/hrd:
total 8
drwxr-xr-x. 2 casseyj hrd 23 Mar  8 21:44 common
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd1
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd2

/tech:
total 8
drwxrwxr-x. 2 raymondc tech 24 Mar  9 19:13 common
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech1
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech2
[ahmedk@toronto7188 ~]$
```

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28.

```
[johns@toronto7188 ~]$ ls -l /finance /hrd /tech
/finance:
total 8
drwxr-xr-x. 2 nancyt finance 23 Mar  8 20:49 common
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin1
-rw-rw----. 1 nancyt finance  8 Mar  8 20:39 fin2

/hrd:
total 8
drwxr-xr-x. 2 casseyj hrd 23 Mar  8 21:44 common
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd1
-rw-r-----. 1 casseyj hrd  4 Mar  8 21:26 hrd2

/tech:
total 8
drwxrwxr-x. 2 raymondc tech 24 Mar  9 19:13 common
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech1
-rw-rw----. 1 raymondc tech  5 Mar  9 19:10 tech2
[johns@toronto7188 ~]$
```

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Part G:

30.

a)

```
[yyzsuraj@toronto7188 ~]$ sudo getfacl /tech/project
getfacl: Removing leading '/' from absolute path names
# file: tech/project
# owner: raymondc
# group: tech
user::rwx
user:casseyj:rwx
group::rwx
mask::rwx
other::---

[yyzsuraj@toronto7188 ~]$
```

b)

```
[janew@toronto7188 ~]$ ls -l /tech/project
ls: cannot access '/tech/project': Permission denied
[janew@toronto7188 ~]$
```