2 C FHS

4 D rwxrwxrwx and rw-rw-rw-

5 E just type cp or mv as they run in interactive mode by default

8 C ---r--rw-

9 D means additional entries exist within the ACL of the file that can be viewed using the getfacl commmand

10 D The data in the file you modified as well as the data in all hard linked files are modified as they share the same data and all have the same inode and file size

11 B --wx—xrwx 1 user1 root 0 Apr 29 15:40 file1

12 A chown user1:root file1

13 B spools and log files

19 B mv

4-1

3. 1 file and 3 subdirectories

4. mysamples/

5. mysamples/ undermysamples/

6. yes

8. /

9. yes

4-2

3. cp: missing destination file operand after sample1

4. sample1 sample1A sample2 sample3

5. sample1 sample1A sample2 sample3

6. yes

7. sample1B sample2

8. yes

9. sample2 was already there and needed to be overwritten. Sample1 sample1B sample2 sample3

10. omitting directory mysamples

11. yes and yes

4-3

3. missing destination file operand after sample1

4. sample1A sample1B sample2 sample3 sample4 it was moved to sample 4

5. sample1A sample1B sample2 sample3 it was moved to mysamples

7. sample1 sample1B sample2 sample3. it was moved up to /root

9. overwrite mysamples/samples2?

16.

4-4

2. sample1 sample1B sample2 sample3. 28

3. no, yes, yes

4. 36

6. they are hardlinked

7. no, yes, yes, yes

9. 7 vs. 599 this is what I just changed to the file

4-5

2. No, the database was not updated

3. yes, very quickly

4. it took a few seconds, it had to compare the name to all files

5. very

6. no, /root is not /bin is

7. yes

8. none

9. newfile

4-6

3. yes both were deleted

4. remove regular file sample1?

5. yes they were deleted

6. failed to remove samples directory not empty

7. yes

4-7

3. root

4. root

5. Yes. I have permission to do this

6. /

7. root, user, read, write

8. no

12. no, invalid mode

14.yes

16. root

17.

4-8

4-9

Discovery

1 This makes it easy to find specific types of files, this way you don’t have to search through a programs files to find an executable or other specific file.

3

1. Ls \*test\*
2. which
3. find /usr -size +50
4. find /usr -size -70

6

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Filename | Mode |  | Read | Edit | Execute | List | Delete |
| Sample1 | rwxr—r-- | User  Group  Other | X  X  x | x | x |  |  |
| Sample2 | r-xr—rw- | User  Group  Other | X  x  x | x | X |  |  |
| Sample3 | --xr-x--- | User  Group  Other | x |  | X  x |  |  |
| Sample4 | r-xr—r-- | User  Group  other | X  X  x |  | x |  |  |