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HERE

[Introduction to Linux I – Chapter 14 Exam Answers 2019 + PDF file](#)

1. Which are valid link types in Linux? (choose two)
 - Filesystem links
 - Stable links
 - **Hard links**
 - **Soft links**
2. The output of the `ls -l` command includes `"/etc/grub.conf -> ../boot/grub/grub.conf"`.
Based on this information, which is the soft link file?
 - `../boot/grub/grub.conf`
 - Both
 - Neither
 - **`/etc/grub.conf`**
3. Which of the following commands will create a soft link from the `/tmp/test` file to the `/tmp/data` file?
 - `ln /tmp/test /tmp/data`
 - `ln /tmp/data /tmp/test`
 - **`ln -s /tmp/test /tmp/data`**
 - `ln -s /tmp/data /tmp/test`
4. Which of the following commands will create a hard link from the `/tmp/test` file to the `/tmp/data` file?
 - `ln -s /tmp/data /tmp/test`
 - `ln /tmp/data /tmp/test`
 - **`ln /tmp/test /tmp/data`**
 - `ln -s /tmp/test /tmp/data`
5. What permissions are typically placed on soft link files?
 - _____
 - `rw-rw-rw-`
 - **`rwxrwxrwx`**
 - `rwx_____`
6. When you create a soft link, it increases the hard link count by one.
True or False?
 - True

- **False**
7. When you create a hard link, it increases the hard link count by one.
True or False?
- **True**
 - False
8. Which is true about hard links?
- They are created with the ln -s command
 - **They share inodes**
 - They can only be created by the root user
 - They can be made to directories
9. What option to the find command allows you to search for files by inode numbers?
- -links
 - -ipath
 - **-inum**
 - -mtime
10. If you have 5 hard linked files and you delete four of them including the original one, then:
- The file still exists, but the data in the file is deleted
 - You lose the data from the file
 - The hard link count goes to 0
 - **The data is still available from the remaining file**
11. If you have a file named /tmp/hosts pointing to a file named /etc/hosts and the /etc/hosts file is deleted, then which of the following statements is true?
- **The /tmp/hosts file now points to nothing**
 - You can still access the data by using /tmp/hosts
 - The data from /etc/hosts is automatically copied into /tmp/hosts before /etc/hosts is deleted
 - It is not possible to delete the /etc/hosts file while a soft link is pointing to it
12. Which value represents the inode number in the following output of the ls -li command: 87589 -rw-r--r-. 2 root root 83 Mar 4 22:45 myhosts
- 22:45
 - 83
 - 2
 - **87589**
13. Which value represents the hard link count in the following output of the ls -li command: 87589 -rw-r--r-. 2 root root 83 Mar 4 22:45 myhosts
- 87589

- **2**
 - 22:45
 - 83
14. A soft link is also called a _____ link.
- **symbolic**
 - indirect
 - true
 - false
15. Which type of link can be made to a file on another filesystem, hard or soft?
- **soft**
 - hard
16. Which type of link can be made to directories, hard or soft?
- hard
 - **soft**
17. Which type of link is easier to visually “see”, hard or soft?
- hard
 - **soft**
18. Which type of link is indistinguishable by programs from regular files, hard or soft?
- soft
 - **hard**
19. Which option to the ls command displays the inode numbers of files?
- -inum
 - **-i**
 - -l
 - -N
20. When viewing a file with the ls -l command, which character represents a file type of soft link?
- -
 - d
 - f
 - **l**