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[Introduction to Linux I – Chapter 13 Exam Answers 2019 + PDF file](#)

1. Which command can be used to set what your default permissions will be on new files?
 - umode
 - **umask**
 - mode
 - mask
2. Which commands can be used to change the ownership of a file? (choose two)
 - chgrp
 - **chgrp**
 - **chown**
 - newgrp
3. If a file has permissions that appear as `rwrx-x—`, what is the octal permission mode of the file?
 - 760
 - 650
 - **750**
 - 740
4. Which permission is necessary on a directory in order for a user to use the `cd` command to change that directory?
 - Read
 - None
 - **Execute**
 - Write
5. The only user with the capability to change the owner of a file is root. True or False?
 - **True**
 - False
6. The `setuid` permission on a file:
 - Causes the file to always run as root
 - Causes the file to never run as root
 - **Causes the file to run under the owner's identity**

- Causes the file to run under the user's identity
7. Using the setgid permission on a directory:
- **Causes new files created in the directory to be owned by the group that owns the directory**
 - Causes the directory to be writable to members of the group that owns the directory
 - Causes files existing in the directory to be made executable by the group
 - Causes files existing in the directory to be owned by the group that owns the directory
8. Which permission is used to make a directory so that only root, the owners of files or the owner of the directory can remove them?
- sticky bit
 - **setgid**
 - write
 - setuid
9. Which command is used to change permissions on a file?
- chgmode
 - **chmod**
 - chgperm
 - chperm
10. To access a directory with the cd command, you must also be able to access all the parent directories of the directory with the cd command.
- True or False?
- **True**
 - False
11. Which command can change the user owner of a file?
- **chown**
 - own
 - pawn
 - chpawn
12. To run binary executables, you need both read and execute permission.
- True or False?
- True
 - **False**
13. To run a script file, you need both read and execute permission.
- True or False?
- **True**
 - False

14. Assuming everyone has access to the directory the file is in, who can view the contents of a file with permissions of `rw-r--x`?
- Nobody
 - **Both the user owner and group owners**
 - Only the user owner
 - Everyone
 - Only the group owners
15. To switch to another group, you must:
- **Be a member of the group that you are switching to**
 - Be logged in graphically
 - Log off and log back in
 - Log in as the staff user
16. Which command will allow you to change the group ownership of a file that you own?
- `regroup`
 - **`chgrp`**
 - `chown`
 - `mask`
17. The group ownership of a file may only be changed by:
- The owner of the file
 - Any user can change the group ownership of any file
 - The root user
 - **Both the root user and the owner of the file**
18. The only person who can change the user ownership of a file is:
- **The root user**
 - The owner of the file
 - Both the root user and owner of the file
 - Any user can change the group ownership of any file
19. For the `rwxr-x-x` permission set, the **bolded permissions belong to:**
- All users besides the user owner and group owner
 - The group owner of the file
 - The user owner and group owner of the file
 - **The user owner of the file**
20. For `rwxr-x-x` permission set, the **bolded permissions belong to:**
- The user owner and group owner of the file
 - **All users besides the user owner and group owner**
 - The user owner of the file

- The group owner of the file
21. For the `rxr-x-x` permission set, **the bolded permissions belong to:**
- **The group owner of the file**
 - All users besides the user owner and group owner
 - The user owner and group owner of the file
 - The user owner of the file
22. **The command, `chmod a+x` will:**
- Remove execute permission for all users
 - Add execute permissions for the user owner
 - Remove execute permissions for the user owner
 - **Add execute permission for all users**
23. **The command, `chmod u=g` will:**
- Set the group owners permissions to match the user owners permissions
 - **Set the user owners permissions to match the group owners permission**
 - Nothing, the command syntax is invalid
 - Set the user owners permissions to `rx`
24. **To have permissions set to `rxr-x-x`, you can use the following command:**
- **`chmod 751`**
 - `chmod 755`
 - `chmod 777 file`
 - `chmod 711`
25. **The command, `chmod 1777 /data` will:**
- Make the `/data` directory a setuid directory
 - **Make the `/data` directory a sticky bit directory**
 - Remove all special permissions
 - Make the `/data` directory a setgid directory
26. **The command, `chmod 0777 /data` will:**
- Make the `/data` directory a setuid directory
 - Make the `/data` directory a setgid directory
 - Make the `/data` directory a sticky bit directory
 - **Remove all special permissions**
27. **The command, `chmod 2777 /data` will:**
- **Make the `/data` directory a setgid directory**
 - Make the `/data` directory a sticky bit directory
 - Make the `/data` directory a setuid directory
 - Remove all special permissions

28. Which command will allow you to switch to another group and add files that are group owned by this other group?

- chgrp
- switchgrp
- newgroup
- **newgrp**

29. What umask value would you use in order for new directories to have the permissions of rwxr-x-x?

- 027
- 077
- 022
- **026**