

# Linux

**Q1. To mount a drive by its ID, what command would you use first to retrieve it?**

- ☐ df -h
- ☐ listid
- ☐ ls -l
- ☒ blkid

**Q2. Linux file access control lists (ACLs) are \_.**

- ☒ discretionary access control system permissions layered over standard Linux permissions
- ☐ mandatory access control system permissions layered over standard Linux permissions
- ☐ a type of firewall for Linux
- ☐ the same as standard Linux permissions

**Q3. When using iproute2, how do you show routing information for an IPv6 network?**

- ☐ route -ipv6
- ☐ route
- ☒ ip -6 route show
- ☐ ip route show

**Q4. What does this command string do?**

```
find / -size +10M -exec ls -l {} ;
```

- ☐ It finds all files using ls -l and hands them off to the find command to display.
- ☐ It finds all files older than 10 minutes and long lists them using the ls command.
- ☒ It finds all files larger than 10 MB and long lists them using the ls command.

- ☐ It uses the ls command to find all files in the filesystem matching the {} wildcard.

#### Q5. What would this locate command show?

```
locate --regex ' ^/usr.*pixmap.*jpg$ '
```

- ☐ all files in a directory named pixmaps
- ☐ all files ending in ".jpg"
- ☒ all file paths that start with "/usr", include the word "pixmap", and end with ".jpg"
- ☐ all file paths that include "/usr/pixmap" and end with ".jpg"

#### Q6. Which command allows you to do packet analysis from the command line?

- ☐ wireshark
- ☐ ethtool
- ☐ netstat
- ☒ tcpdump

#### Q7. Which command will tell you how long a system has been running?

- ☐ log
- ☒ uptime
- ☐ runtime
- ☐ access

#### Q8. How would you describe PCP (Performance Co-Pilot)?

- ☐ It is an application testing suite used to profile programming code.
- ☐ It is a local command used for monitoring local system resources in real time.
- ☒ It is a set of tools, services, and libraries for gathering and analyzing performance measures.
- ☐ It is a tool designed to change system configuration for purposes of optimization.

#### Q9. You want to resolve a long list of DNS names using dig. What should you do?

- ☒ Create a text file including all names and use the -f option of dig.
- ☐ Type in each query manually.
- ☐ Write a shell script to send multiple dig queries to the DNS server.
- ☐ Save the DNS names in an SQL database and process it with dig.

#### Q10. What would this command output?

```
ps -e --format uid,pid,ppid,%cpu,cmd
```

- ☒ the user ID, process ID, parent process ID, CPU usage, and command name of a process
- ☐ the user ID, group ID, parent process ID, CPU usage, and command name of a process
- ☐ the UUID, process ID, parent process ID, CPU usage, and command name of a process
- ☐ all of these answers

#### Q11. Which command in Bash executes the last line in the shell history that starts with ls?

- ☐ !
- ☐ !!
- ☐ !\*
- ☒ !!s

#### Q12. The ssh-copy-id command copies \_ to the remote host.

- ☐ both private and public keys
- ☒ the ssh public key
- ☐ the ssh private key
- ☐ a fingerprint file

#### Q13. What command is used to determine the amount of disk usage for a directory?

- ☐ find
- ☐ fdisk
- ☒ du

- ☐ df

**Q14. A backup drive was created using dd to make a bit-for-bit copy. When the drive is inserted into an iSCSI target before it is booted up, the data appears to be missing. What happened?**

- ☐ The backup drive is corrupted and needs to be re-created.
- ☒ When the backup drive was duplicated, the label was as well. When booted, the system mounted the old duplicated drive by its identical label.
- ☐ There is a conflict between the physical location of the backup drive and the original drive.
- ☐ The backup process went wrong, and the old drive was duplicated over the original drive.

**Q15. What is the key difference between a redirect (>) and piping to the tee command?**

- ☐ The tee command sends output only to STDOUT and STDERR.
- ☐ A redirect sends output to STDOUT and a file, whereas a tee sends output only to STDOUT.
- ☐ Nothing, they are the same.
- ☒ The tee command sends output to STDOUT and a file, whereas a redirect sends output only to a file.

**Q16. What does the /etc/nsswitch.conf file manage?**

- ☐ priority of one DNS server over another
- ☐ per network interface DNS server configuration
- ☐ alternative DNS services
- ☒ sources for name service information

**Q17. Assume the variable myNumber holds a string consisting of 10 digits. What will this command output?**

```
echo \${myNumber} | sed -e 's/^[[:digit:]][[:digit:]][[:digit:]]/(&)/g'
```

- ☐ It will only match digits—and since the string has only digits, the command will output the same number without changes.

- ☐ It will output the same 10-digit number, but every digit will be inside parentheses.
- ☐ It will output the entire 10-digit number inside parentheses.
- ☒ It will output the same 10-digit number, but the first 3 digits will be inside parentheses.

Note: check the question below for a variant of this sed expression.

### Q18. What would this sed command do?

```
sed -E 's/[a-Z]{4}/(&)/' textfile.txt
```

- ☐ It would substitute the letter with an ampersand (&).
- ☐ It would replace all letters in the textfile.txt file with ampersand (&).
- ☐ It would replace the first four letters with an ampersand (&).
- ☒ It would place parentheses around the first four letters of each line of textfile.txt.

Note: check the question above for a variant of this sed expression.

Side note: this sed expression may fail with "sed: -e expression #1, char 15: Invalid range end" (for example on MINGW64 / Git Bash); if this is the case, you can try the alternative range [A-z].

### Q19. Packages can be downloaded but not installed with yum or dnf by specifying which option?

- ☐ None of these answers. yum does not support downloading packages without installing them.
- ☐ --downloadaddir
- ☐ -d
- ☒ --downloadonly

### Q20. What character class is equal to this set?

[0-9]

- ☐ [:alnum:]
- ☒ [:digit:]
- ☐ [:alpha:]
- ☐ [:num:]

**Q21. When archiving files, which command will preserve all file attributes including ACLs and SELinux security context?**

- ☐ zip
- ☒ tar
- ☐ archive
- ☐ gzip

**Q22. In a systemd-based OS, you can change the system hostname by editing /etc/hostname manually and then doing what?**

- ☐ Restart dhcpd.
- ☐ Run /etc/hostname.
- ☒ Nothing, the system notices automatically.
- ☐ Notify systemd to update it by restarting the systemd-hostnamed service.

**Q23. What command would you use to resize an LVM volume group to include an additional physical volume?**

- ☐ vgadd
- ☐ vgresize
- ☐ vgappend
- ☒ vgextend

**Q24. When would this system cron job run its task?**

0 1 \\* \\* \\*

- ☐ every minute of the hour
- ☐ every hour of every day
- ☒ every day at 1:00 AM
- ☐ only on Mondays

**Q25. ifconfig has been deprecated. What command is now recommended for changing IP addresses in the live config?**

- ☐ netconf
- ☐ ipconfig

- ☐ ipman
- ☒ ip

**Q26. You are managing an Apache web server on a system using SELinux. By default it cannot read personal webpages in users' home directories. What SELinux boolean would you set to allow this?**

- ☐ apache\_enable\_homedirs
- ☐ httpd\_enable\_userdirs
- ☒ httpd\_enable\_homedirs
- ☐ httpd\_enable\_userhome\_dirs

**Q27. Why doesn't passwd -l keep a user from logging in via other methods?**

- ☐ The passwd command is not used for locking passwords.
- ☐ There is no password -l option.
- ☒ It locks only the password, not the account, so users can still authenticate with keys or other methods.
- ☐ It does lock the account, keeping users from logging in even if they are using other authentication methods.

**Q28. In the Bash shell, what is the difference between piping into | and piping into |&?**

- ☐ Piping into | pipes both stdout and stderr. Piping into |& pipes only stderr.
- ☒ Piping into | pipes stdout. Piping into |& pipes stdout and stderr.
- ☐ Piping into | pipes both stdout and stderr. Piping into |& pipes only stdout.
- ☐ Piping into | pipes stdout. Piping into |& pipes all open file descriptors.

**Q29. Why is the passwd command able to modify the /etc/passwd file?**

- ☐ The kernel identifies it as one of the names of extended commands.
- ☐ It has the same name as the file it modifies.
- ☒ It has the SUID permission mode and is owned by root.
- ☐ It is a system administration command.

**Q30. When a user deletes a file using the rm command, Linux will \_.**

- ☐ always ask for confirmation
- ☐ back up the file before it deletes the file
- ☒ ask for confirmation if configured to do so
- ☐ never ask for confirmation

### Q31. What is a major advantage of using Logical Volume Management (LVM)?

- ☐ Access to a drive is faster than with standard partitions.
- ☐ Volumes can be resized smaller without unmounting them.
- ☐ Repairing filesystem errors is easier than with standard partitions.
- ☒ Volumes can be resized even if the free space is not contiguous.

### Q32. What is one major difference between brace expansion and globs?

- ☐ Globs create a list; brace expansion matches pattern.
- ☐ Brace expansion requires files to exist; globs do not.
- ☒ Brace expansion creates a list; globs match the list of pathnames.
- ☐ Globs get processes first and brace expansion later.

### Q33. To remove all ACLs from a directory , use setfacl with which options?

- ☐ -d
- ☐ -k
- ☒ -b
- ☐ -x

### Q34. Which choice will *not* print "Hello World" in the terminal?

- ☐ A

```
myVar = 5
[[ $myVar -lt 10 ]] && echo " Hello World"
```

- ☒ B

```
myVar = 5
[[ $myVar -lt 10 ]] || echo " Hello World"
```

- ☐ C



```
myVar = 5
[[ ! $myVar -gt 10 ]] && echo " Hello World"
```

- ☐ D

```
myVar = 5
[[ $myVar -gt 10 ]] || echo " Hello World"
```

**Q35. What is not inherited by child process?**

- ☒ shell aliases
- ☐ userid
- ☐ environmental variables
- ☐ scheduling priority

**Q36. What NFS option allows the root user to access NFS shares as the root user?**

- ☐ no\_admin\_squash
- ☒ no\_root\_squash
- ☐ allow\_root\_access
- ☐ all\_squash

**Q37. You send an email to a remote client using the following syntax. What will be in the body of the email?**

```
date | mail -s "This is a remote test" user1@rhhost1.localnet.com
```

- ☐ "This is a remote test"
- ☐ the date, the time, and the words "This is a remote test"
- ☐ The email subject shows "This is a remote test" but the body of the email will be empty.
- ☒ the current date and time

**Q38. What is the /etc/hosts file used for?**

- ☐ resolving the local name
- ☐ blocking sites using iptables
- ☐ setting the hostname
- ☒ configuring DNS name servers

**Q39. In an extended regular expression, you would use (pattern){3} to match three instances of the pattern. How would you match the same thing with an extended glob?**

- ☐ 3(pattern)
- ☐ {0,3}(pattern)
- ☒ Occurrence quantifiers are not supported in Bash's version of extended globs, so this is not possible.
- ☐ {3}(pattern)}

**Q40. When configuring a Samba share, how would the engineering group be specified in the smb.conf?**

- ☐ Samba uses Linux operating system groups from the /etc/group file; just specify the group name.
- ☐ It would be preceded by a percent sign (%), such as %engineers.
- ☐ Use the group name by itself; Samba checks for its existence.
- ☒ It would be preceded by an @ symbol, such as @engineering.

**Q41. To configure the Kerberos client, which command should you use to import the keytab file?**

- ☐ krb5-workstation
- ☒ ktutil
- ☐ pam\_krb5
- ☐ kdb5\_util

**Q42. To search from the current cursor position up to the beginning of the file using VIM, type \_ and then the search criteria.**

- ☒ ?
- ☐ \
- ☐ /
- ☐ /search

**Q43. What is the job of the NetworkManager daemon?**

- ☐ It is a graphical tool that manages network connections, including bonding and wireless networks.

- ☐ It is a security service that manages user access control of local network-aware services.
- ☐ It attempts to keep an active network connection available at all times.
- ☒ It is a command-line tool that manages network connections.

#### Q44. Why might you use the usermod command ?

- ☐ to log out a user
- ☐ to lock a user's account
- ☒ to change global user account settings
- ☐ to set a user's password

#### Q45. Extending an LVM volume group does what to the formatted filesystem?

- ☐ It prepares the filesystem for use by defragmenting it.
- ☐ It resizes the filesystem to match the volume group size.
- ☒ It does nothing.
- ☐ It remounts the filesystem with the new size.

#### Q46. Which kernel module do you need to load to use interface bonding?

- ☒ bonding.
- ☐ team.
- ☐ netbond.
- ☐ bond.

#### Q47. What does this command string do?

```
find / -size -10K -exec ls -l {} \;
```

- ☐ It finds all files larger than 10k and long lists them using the ls command.
- ☐ It finds all files of size 10k using ls -l and hands them off to the find command to display.
- ☐ It finds all files in the / directory of size 10k and long lists them.
- ☒ It finds all files in the file system smaller than 10k and long lists them using the ls command.

**Q48. To change the priority of multiple swap partitions, which file would you edit?**

- ☐ /proc/swapiness
- ☒ /etc/fstab
- ☐ /etc/ mounts
- ☐ /etc/swaps

**Q49. What would you type to list all systemd service unit files, whether they are enabled or not?**

- ☐ systemctl list-services.
- ☐ chkconfig --list-all
- ☒ systemctl list-unit-files -at service
- ☐ systemctl list-unit-files -t service

**Q50. You can set Linux group passwords using which command?**

- ☒ gpasswd
- ☐ passwd
- ☐ editsam
- ☐ grouppass

**Q51. With most GNU commands, if an option is a word, what will it be preceded by?**

- ☒ two dashes
- ☐ a backslash
- ☐ one dash
- ☐ nothing

**Q52. What would happen if you have a script file named script that takes a long time to complete, and you type `nohup ./script &` in the command line?**

- ☐ The script will remain running in the background even if you reboot the system.
- ☐ The script will run in your terminal and you will not be able to do anything until it completes.

- ☐ The script will run in the background until you end the session.
- ☒ The script will run in the background and will continue running even if you end the session.

Reference: [Wikipedia](#)

nohup is a POSIX command which means "no hang up". Its purpose is to execute a command such that it ignores the HUP (hangup) signal and therefore does not stop when the user logs out.

**Q53. To elevate privileges using the `sudo` command, a user must \_.**

- ☐ enter the root user's password
- ☒ enter their own password
- ☐ enter the sudo user's password
- ☐ change to the root group

[A Cloud Guru's Blog](#)

**Q54. When would this system cron job run its task?**

0 22 \* \* 1-5

- ☐ on the 22nd of every month from June to May
- ☒ at 10:00 PM Monday to Friday
- ☐ every 22 minutes every day except weekends
- ☐ from 1:00 AM to 5:00 AM on the 22nd of every month

**Q55. How does TCP Wrappers differ from a firewall?**

- ☐ Firewalls are only service specific, whereas TCP Wrappers can block all traffic.
- ☐ TCP Wrappers works at the network layer, so it blocks traffic before the firewall even sees it.
- ☐ Firewalls easily spawn commands to operate on connection data, whereas TCP Wrappers cannot.
- ☒ TCP Wrappers works at the application layer, so it can make access decisions on encrypted data.

**Note:** TCP Wrapper works on Application Layer but answer is not too much confirmed.

**Q56. As root, you set execute permissions for user, group, and other on a directory. Now users can do what?**

- ☐ They can execute files in it.
- ☒ They can traverse it.
- ☐ They can read files in it.
- ☐ They can delete files in it.

**Note:** This is correct because of the keyword "directory". More info at: <https://www.tutorialspoint.com/unix/unix-file-permission.htm>

**Q57. What will this command print?**

```
echo "Thu Jun 4 15:45:45 PDT 2020" | cut -f3 -d" "
```

- ☐ It will print nothing.
- ☐ Thu Jun 4 15:45:45 PDT 2020
- ☐ 0.6567708333333333
- ☒ 4

**Q58. How can you improve this code snippet?**

```
if ls /etc/passwd &> /dev/null
then
    echo "exists"
fi
```

- ☐ The code snippet cannot be improved, this is a valid way of checking for the existence of a file.
- ☒ Use Bash's built-in `[[ ]]` test conditions instead of the `ls` command.
- ☐ The redirect to `/dev/null` will silence the return code invalidating the conditional. Removing the redirect will solve this.
- ☐ The `ls` command will output the name of the file to the screen. Running `ls` in quiet mode will improve the code snippet.

**Q59. Using a systemd-based distribution, you want to restrict the cron service from running either automatically or manually. Which command would you run?**

- ☐ `systemctl disable crond`
- ☐ `systemctl disallow crond`

- ☒ systemctl mask crond
- ☐ systemctl stop crond

**Note:** This is the correct answer because "mask" prohibits all kinds of activation of the unit, including manual activation. [Reference](#) : search "mask".

**Q60. What issue might a user have when they mount a filesystem by partition path such as /dev/sdal in the /etc/fstab file?**

- ☒ The device order may change on boot, resulting in a system that will not boot properly.
- ☐ The user may run out of device letters.
- ☐ There are no issues with referring to partitions by their partition path.
- ☐ It is more difficult identifying mounted devices by partition path.

[Reference](#)

**Q61. Which option would you choose to force grep to use a basic regular expression (BRE)?**

- ☐ grep -E
- ☐ grep -B
- ☐ grep -e
- ☒ grep -G

**Explanation:** Man page of grep command.

**Q62. An rsyslogd filter determines which items in a log file to act on. What is it made up of?**

- ☐ a facility and an action
- ☒ a filter and an action
- ☐ a facility and a priority
- ☐ a filter and a priority

[Reference](#)

**Q63. Which choice is a Network Manager tool used to configure network connections from the GUI?**

- ☐ nmcli
- ☐ ip
- ☐ Onmtui
- ☒ nm-connection-editor

**Q64. What will not happen if you run the make command without parameters?**

- ☒ It will clean up all previously generated binaries and perform a new build.
- ☐ It will run rules of compilation and building.
- ☐ It will look for a file called makefile in your current directory.
- ☐ It will build only programs that need to be rebuilt.

**Q65. Most commands that support SELinux use which option to display SELinux security context?**

- ☐ -S
- ☐ --selinux
- ☐ --MAC
- ☒ -Z

**Q66. What is the difference between the whoami and logname commands?**

- ☐ whoami and logname provide the same information.
- ☒ whoami tells who are you currently, and logname tells who you were when you logged in initially.
- ☐ logname specifies the name of the login log file, and whoami prints the logged in username.
- ☐ whoami shows you who logged in as initially, and logname shows who are you currently.

**Q67. What is the command to create an associative array in Bash?**

- ☐ declare -a
- ☐ aarray
- ☐ array -a
- ☒ declare -A



**Q68. What tool Should you use to replace a physical volum in LVM?**

- ☐ `lvcopy`
- ☐ `tar`
- ☒ `pvmove`
- ☐ `cp`

**Q69. What is the difference the `==` and `=~` comparison operators when used in BASH double square bracket `if` conditionals?**

- ☒ The `==` operator performs a string comparison; `=~` performs a regex comparison.
- ☐ The `==` operator performs a string comparison; `=~` performs a glob pattern comparison.
- ☐ The `=~` operator performs a string comparison; `==` performs a regex comparison.
- ☐ There is no `=~` operator in BASH `if` conditionals.

**Q70. What is the difference between these two lines of code?**

```
echo "data" | tee -a file.txt  
echo "data" >> file.txt
```

- ☒ The first line will append the word `data` to `file.txt` and output it on the screen. The second line will append the word `data` only to `file.txt`.
- ☐ They are the same.
- ☐ The first line will append the word `data` to `file.txt` and there will be no output on the screen. The second line will output the word `data` on the screen and append it to `file.txt`
- ☐ Both lines will overwrite `file.txt` with the word `data`.

**Q71. Using backreferences in a POSIX regular expression, which word would this pattern match?**

`(ss).*\1`

- ☐ `addressee`
- ☒ `possess`
- ☐ `barrenness`
- ☐ `successfully`

**Q72. To run CGI scripts with Apache, you need to \_.**

- ☐ compile the script with a CGI compiler
- ☐ make the script executable
- ☒ make the script executable and set the httpd\_enable\_cgi SELinux boolean
- ☐ change the ownership of the script to Apache

[reference here](#)

**Q73. To permanently add NAT to the default zone using firewallld, you would use which command string?**

- ☐ `firewall-cmd --permanent --add-nat`
- ☒ `firewall-cmd --permanent --add-masquerade`
- ☐ `firewall-cmd --zone=default --add-nat`
- ☐ `firewall-cmd --zone=default --add-masquerade`

[reference here](#)

**Q74. What is the difference between using = and == in a BASH double square bracket if conditional?**

```
if [[ $FILE == $GLOB ]] ;then
```

- ☐ The single equal sign (=) is an assignment operator; the double equal sign (==) checks equality.
- ☒ There is no difference.
- ☐ The single equal sign (=) checks equality; the double equal sign (==) checks string equality.
- ☐ The double equal sign (==) is an assignment operator; the single equal sign (=) checks equality.

[reference here](#)

**Q75. journald differs from traditional logging services such as rsyslogd and syslogd because its logs are \_ by default.**

- ☐ stored remotely
- ☐ text
- ☒ persistent
- ☐ not persistent

[reference here](#)

**Q76. What is the purpose of a Mail Transport Agent (MTA)?**

- ☐ It transports the mail from user's computer to the mail server.
- ☐ It accepts mail and adds it to the mail queue for further processing.
- ☐ It stores the mail in a mail queue waiting for the MUA to download it.
- ☒ It transports mail from one mail server to another.

**Q77. What do you need to do before you can perform SSH passwordless logins?**

- ☒ Generate RSA or DSA key pairs using ssh-keygen.
- ☐ Change the remote user's password.
- ☐ Create a local SSL certificate.
- ☐ Change the remote SSH configure to allow it.

[Reference](#)

**Q78. When installing a downloaded package on the RedHat-based distribution manual using RPM, what may you have to do first?**

- ☐ Compile the package source code.
- ☒ Download all dependencies and install them before installing the desired package.
- ☐ Agree to an end-user license agreement.
- ☐ provide the --resolve option so RPM resolves all packages dependency.

**Explanation:** Rpm is not meant to resolve dependencies. It checks whether required software (versions) are installed and fails when software is missing and when the wrong version of software is installed.

**Q79. With GNU tools such as a GNU grep, awk, and sed, what is the difference between basic regular expressions (BREs) and extended regular expressions (EREs)?**

- ☐ EREs can match the groups.
- ☐ EREs support occurrence operators.
- ☐ ERE's support alternation.
- ☒ only the syntax differs.

## Reference

**Q80. What is the difference between reading the list of disk partitions from `/proc/partitions` and getting it using `fdisk -l`?**

- ☐ `/proc/partitions` represents the disk partition table more accurately than `fdisk -l`
- ☐ `/proc/partitions` shows only mounted drives. `fdisk -l` shows all drivers.
- ☐ There is no difference between the two, and both lists contain the same data.
- ☒ `/proc/partitions` is the kernel's list of partitions held in ram. `fdisk -l` reads the partition table from the drive itself.

**Q81. What would be in `out.txt`?**

```
cat < in.txt > out.txt
```

- ☒ the content of `in.txt`.
- ☐ the output from the command line.
- ☐ Nothing, because you cannot redirect from a file (`in.txt`) to another file (`out.txt`). You can redirect only from a command to a file.
- ☐ Nothing, The redirect will create a new empty file, but there will not be any output from the `cat` command to redirect.

**Q82. Using alternation in a POSIX-extended regular expression, which numbers would this pattern match?**

```
^(([0-9][0-9]?)|(2[0-9][0-9]))$
```

- ☒ 0-99 and 200-299
- ☐ 0-99
- ☐ 200-299
- ☐ 0-299

**Q83. Typing `systemctl enable crond` does what to the `crond` service?**

- ☐ Starts the `crond` service now.
- ☐ Allows user to start the `crond` service.
- ☐ Unmasks the `crond` service.
- ☒ Ensures that the `crond` service starts automatically on bootup.

**Q84. Which of these features is missing from the Bash Language?**

- ☐ associative arrays.
- ☐ extended regular expressions.
- ☐ debug traps.
- ☒ object orientation.

**Q85. What is the first step to integrate extended globs into your command-line workflow?**

- ☐ Nothing, extended globs are already integrated into the shell and turned on automatically.
- ☒ Make extended globs persistent by adding `shopt -s extglob` to a shell startup file.
- ☐ Type `shopt -s extglob` into a shell one time to set the option on permanently.
- ☐ Make extended globs persistent by adding `shopt +s extglob` to a shell startup file.

**Q86. Which statement about default ACLs is true?**

- ☒ They provide inheritance for user and group permissions.
- ☐ They work only on files.
- ☐ They provide inheritance for group ownership.
- ☐ They grant access to the directory on which they are set.

[reference:](#)

**Q87. The object that `systemd` uses to manage services is called a `_` file.**

- ☒ unit
- ☐ service
- ☐ single
- ☐ process

**Q88. What tool should you use to replace a physical volume in LVM?What tool should you use to replace a physical volume in LVM?**

- ☐ `cpcp`

- ☐ pvmovepvmove
- ☐ tartar
- ☐ lvcopy

**Q89. What is the difference between the apt remove and apt autoremove commands?**

- ☐ The apt remove command is a link to apt autoremove, so there are no differences.
- ☒ Both uninstall software. The apt autoremove command also uninstalls the dependencies.
- ☐ Both uninstall software. The apt remove command also uninstalls the dependencies.
- ☐ The apt autoremove command is a system service that routinely removes unused software packages.

[reference](#)

**Q90. You want to extract the contents from an rpm package. Which command do you use?**

- ☐ rpm --update
- ☐ rpm -ivh --force
- ☐ rpm --reinstall
- ☒ rpm2cpio