CompTIA
XK0-006
CompTIA Linux+ Exam

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Question: 1

When attempting to terminate a process by name rather than PID, which command is most suitable to ensure all instances are stopped at once?

A. killall processname
B. ps -ef | grep processname
C. kill -all processname
D. terminate processname

Answer: A

Question: 2

A systems administrator is deploying a new custom application. Which of the following commands in the ~/.bashrc file will add $HOME/bin to the PATH variable?

A. PATH=~/bin;$PATH;export PATH
B. export $PATH=~/bin:$PATH
C. export PATH=~/bin:$PATH
D. PATH=~/bin;export $PATH

Answer: C

Question: 3

A systems administrator is writing a new Python script. Which of the following should the administrator place as the first line?

A. !#/usr/bin/python3
B. #!/usr/bin/python3
C. \#/usr/bin/python3
D. #\/usr/bin/python3

Answer: B

Question: 4

A Linux administrator installs the httpd service but wants to prevent it from running until it is configured. Which of the following is the best way to accomplish this task?

A. systemctl mask httpd
B. systemctl disable httpd
C. systemctl stop httpd
D. systemctl reload httpd

Answer: A

Question: 5

What command sequence would best be used to create a compressed backup archive of /etc and store it in /backup/etc.tar.gz?

A. cp /etc /backup/etc.tar.gz
B. gzip /etc > /backup/etc.tar.gz
C. tar -czf /backup/etc.tar.gz /etc
D. backup /etc to /backup/etc.tar.gz

Answer: C

Question: 6

A DevOps engineer wants to make a copy of a coworker's existing repositories to a sandbox machine. Which of the following commands should the engineer use to accomplish this task?

A. git fetch
B. git checkout
C. git retrieve
D. git clone

Answer: D

Question: 7

Regular users of a Linux server are reporting issues with updating their passwords. Given the following outputs:
$ passwd
Current password:
New password:

Retype new password:
passwd: Authentication token manipulation error passwd:
password unchanged
$ ls -l /usr/bin/passwd
-rwxr-xr-x 1 root root 59976 Nov 24 2023 /usr/bin/passwd
Which of the following commands should a server administrator use to fix this issue?

A. chmod u+s /usr/bin/passwd
B. chgrp users /usr/bin/passwd
C. chown 757 /usr/bin/passwd
D. export PATH=$PATH:/usr/bin

Answer: A

Question: 8

A systems administrator is working on a firewall configuration and needs to deny all inbound connections except for the standard SSH port. Which of the following commands should the administrator use for this task?
(Select two)

A. ufw proto tcp port 22
B. ufw reject all
C. ufw reject out
D. ufw deny all
E. ufw default deny incoming
F. ufw allow 22/tcp

Answer: E,F

Question: 9

Why would an organization implement Infrastructure as Code (IaC) practices in a Linux cloud environment?

A. To simplify patch management for mobile devices
B. To delegate scripting tasks to non-technical users
C. To version, replicate, and scale infrastructure efficiently
D. To avoid the need for any configuration files

Answer: C

Question: 10

A Linux administrator creates a Bash script that gets flagged by the CI/CD lint check as using deprecated syntax for the following line:
my_var=`grep -i USER1 users.txt`
Which of the following should the administrator use to avoid the deprecation notice in the script?

A. my_var=`cat users.txt | grep -i USER1`
B. my_var={grep -i USER1 users.txt}
C. my_var=[[grep -i USER1 users.txt]]
D. my_var=$(grep -i USER1 users.txt)

Answer: D

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