010-150.45q

https://www.gratisexam.com/

010-150

Linux Essentials Certificate Exam, version 1.5

Sections
1. The Linux Community and a Career in Open Source
2. Finding Your Way on a Linux System
3. The Power of the Command Line
4. The Linux Operating System
5. Security and File Permissions

Exam A

QUESTION 1
Which Linux distribution is used as a basis for the creation of Ubuntu Linux?

A. Red Hat Linux
B. Arch Linux
C. SUSE Linux
D. Gentoo Linux
E. Debian Linux

Correct Answer: E
Section: The Linux Community and a Career in Open Source
Explanation

Explanation/Reference:

QUESTION 2
Which of the following programs is not a graphical web browser?

A. Konqueror
B. Firefox
C. Links
D. Opera
E. Chrome

Correct Answer: C
Section: The Linux Community and a Career in Open Source
Explanation

Explanation/Reference:

QUESTION 3
What does LAMP mean?

A. The Linux Advanced Mode Programming Interface which gives advanced capabilities to application developers.
B. The bus ID of an attached USB device that emits light.
C. Short for Lightweight Access Management Protocol which synchronizes permissions in a network.
D. The combination of Linux, Apache, MySQL and PHP or other programming languages.
E. Short for lamport-clock which is important in distributed network computing.

Correct Answer: D
Section: The Linux Community and a Career in Open Source
Explanation

Explanation/Reference:

QUESTION 4
Which of the following answers are true for cloud computing? (Choose TWO correct answers.)

A. Cloud Computing provides new tools to manage IT resources.
B. From the business perspective, Cloud Computing means outsourcing or centralization of IT operations.
C. Cloud Computing is the opposite of green IT; i.e. the use of fossil, non-regenerative energy for computing.
D. Cloud Computing implies sharing all information with everyone else in 'the cloud'.

Correct Answer: AB
Section: The Linux Community and a Career in Open Source
Explanation

Explanation/Reference:

QUESTION 5
Which of the following is a Linux based operating system for use on mobile devices?

A. iOS
B. CentOS
C. Android

D. Debian

Correct Answer: C
Section: The Linux Community and a Career in Open Source
Explanation

Explanation/Reference:

QUESTION 6
Which one of the following is true about Open Source software?

A. Open Source software can not be copied for free.
B. Open Source software is available for commercial use.
C. The freedom to redistribute copies must include binary or executable forms of the software but not the source code.
D. Open Source software is not for sale.

Correct Answer: B
Section: The Linux Community and a Career in Open Source
Explanation

Explanation/Reference:

QUESTION 7
What is the first character for file or directory names if they should not be displayed by commands such as ls unless specifically requested?

A. \ (backslash)
B. . (dot)
C. - (minus)
D. _ (underscore)

Correct Answer: B
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 8
Which of the following commands moves the directory ~/summer-vacation and its content to ~/vacation/2011?

A. mv ~/vacation/2011 ~/summer-vacation
B. move -R ~/summer-vacation ~/vacation/2011
C. mv /home/summer-vacation /home/vacation/2011
D. mv ~/summer-vacation ~/vacation/2011
E. mv -R ~/summer-vacation ~/vacation/2011

Correct Answer: D
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 9
Which of the following commands can be used to create a file?

A. touch
B. build
C. nico
D. create
E. mkfile

Correct Answer: A
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 10

Which option will cause the echo command NOT to output a trailing newline?

A. -e
B. -p
C. -n
D. -s

Correct Answer: C
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 11
Which commands provide help for a specific Linux command? (Choose TWO correct answers.)

A. info
B. man
C. helpme
D. ask
E. whatdoes

Correct Answer: AB
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 12
SIMULATION
When typing a long command line at the shell, what single character can be used to split a command across multiple lines?

Correct Answer: \
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 13
Which of the following are correct commands for changing the current directory to the user's home? (Choose TWO answers)

A. cd /home
B. cd ~
C. cd ..
D. cd
E. cd /

Correct Answer: BD
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 14
Which command line can be used to search help files that mention the word "copy"?

A. man -k copy
B. whatis copy
C. man copy
D. copy help
E. copy –help

Correct Answer: A
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 15
Which command is used to make a shell variable known to subsequently executed programs?

A. export
B. announce

C. env

D. transfer

E. mv

Correct Answer: A
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 16
Which command lists all files in the current directory that start with a capital letter?

A. ls [A-Z]*

B. ls A-Z

C. ls A-Z*

D. ls --uppercasefiles

E. list-uppercase-files

Correct Answer: A
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 17
Which command shows if /usr/bin is in the current shell search path?

A. cat PATH

B. echo $PATH

C. echo %PATH

D. cat $PATH

E. echo %PATH%

Correct Answer: B
Section: Finding Your Way on a Linux System

Explanation

Explanation/Reference:

QUESTION 18
Which of the following commands will display a list of all files in the current directory, including those that may be hidden?

A. ls -a
B. ls --hidden
C. ls -h
D. ls –a

Correct Answer: A
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 19
Which of the following commands increases the number of elements in a directory? (Choose TWO answers)

A. touch newfile
B. create newfile
C. ls newfile
D. rmdir newdirectory
E. mkdir newdirectory

Correct Answer: AE
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 20
What command would you use to get comprehensive documentation about any command in Linux?

A. help command
B. echo command
C. locate command
D. man command
E. get command

Correct Answer: D
Section: Finding Your Way on a Linux System
Explanation

Explanation/Reference:

QUESTION 21
How is it possible to determine if an executable file is a shell script which is read by Bash?

A. The r bit is set.
B. The file must end with .sh.
C. The first line starts with #!/bin/bash.
D. /bin/bash has to be run in debug mode.
E. Scripts are never executable files.

Correct Answer: C
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 22
What is the output of the following command?

tail -n 20 test.txt

A. The first 20 lines of test.txt.
B. The last 20 lines of test.txt omitting the blank lines.
C. The last 20 lines of test.txt with line numbers.
D. The last 20 lines of test.txt including blank lines.

Correct Answer: D
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 23
Which commands will archive /home and its content to /mnt/backup? (Choose TWO correct answers.)

A. cp -ar /home /mnt/backup
B. mv /home /mnt/backup
C. sync -r /home /mnt/backup
D. tar -cf /mnt/backup/archive.tar /home
E. copy -r /home /mnt/backup

Correct Answer: AD
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 24
Why is the file data.txt empty after executing sort data.txt > data.txt?

A. Because, if data.txt is empty now, it must have been empty before.
B. Because sort cannot sort text files, only binary files.
C. Because sort detects that both files are the same.
D. Because the file gets truncated before sort is executed.

Correct Answer: D
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 25
What keyword is missing from the following segment of the shell script?

```
    for i in *; _____
        cat $i
    done
```

A. do
B. then
C. enod
D. fi
E. run

Correct Answer: A
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 26
Which of the following statements may be used to access the second command line argument to a script?

A. "$ARG2"
B. $1
C. "$2"
D. "$1"
E. '$2'

Correct Answer: C
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 27
Which of the following commands will output all of the lines that contain either the string Fred or fred? (Choose TWO correct answers.)

A. grep -v fred data_file
B. grep '[f]red' data_file
C. egrep fred data_file
D. grep '[Ff]red' data_file
E. grep -i fred data_file

Correct Answer: DE
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 28
The output of the program date should be saved in the variable actdat. What is the correct statement?

A. actdat=`date`
B. set actdat='date'
C. date | actdat
D. date > $actdat
E. actdat=date

Correct Answer: A
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 29
How can the current directory and its subdirectories be searched for the file named MyFile.xml?

A. find . -name MyFile.xml
B. grep MyFile.xml | find
C. grep -r MyFile.xml .
D. less MyFile.xml
E. search Myfile.xml ./

Correct Answer: A
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 30
Which of the following commands will set the variable text to olaf is home? (Select TWO answers)

A. text=olaf\ is\ home
B. text=$olaf is home
C. $text='olaf is home'
D. text=='olaf is home'
E. text="olaf is home"

Correct Answer: AE
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 31
Which of the following commands will create an archive file, named backup.tar, containing all the files from the directory /home?

A. tar /home backup.tar
B. tar -cf /home backup.tar
C. tar -xf /home backup.tar
D. tar -xf backup.tar /home
E. tar -cf backup.tar /home

Correct Answer: E
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 32
What is the output of the following command?

```
for token in a b c; do
  echo -n ${token};
done
```

A. anbncn
B. abc
C. $token$token$token
D. {a}{b}{c}
E. a b c

Correct Answer: B
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 33
Which command will display the last line of the file foo.txt?

A. head -n 1 foo.txt
B. tail foo.txt
C. last -n 1 foo.txt
D. tail -n 1 foo.txt

Correct Answer: D
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 34
How can the normal output of a command be written to a file while discarding the error output?

A. command >2>file 1&>/dev/null
B. command < output > /dev/null
C. command > discard-error > file
D. command > /dev/null 2&>1 output
E. command >file 2>/dev/null

Correct Answer: E
Section: The Power of the Command Line
Explanation

Explanation/Reference:

QUESTION 35
Which criteria are useful when deciding which operating system to use? (Choose THREE correct answers.)

A. License costs.
B. Ideological preferences of the system administrator.
C. Linux can do everything, there is no need for further evaluation.
D. Availability of mandatory applications and tools.
E. Skills of the administrators and staff.

Correct Answer: ADE
Section: The Linux Operating System
Explanation

Explanation/Reference:

QUESTION 36
Which of the following directories is often used to store log files?

A. /home

B. /var
C. /temp
D. /dev
E. /usr

Correct Answer: B
Section: The Linux Operating System
Explanation

Explanation/Reference:

QUESTION 37
Identify the proper device for the third partition, on the second hard disk, on the first IDE controller on a PC system.

A. /dev/hdb3
B. /dev/hd1b3
C. /dev/hdc1d2p3
D. dev/hdc1a3
E. dev/hdc1b3

Correct Answer: A
Section: The Linux Operating System
Explanation

Explanation/Reference:

QUESTION 38
A Linux computer has no access to the internet. Which command displays information about the network gateway for the system?

A. traceroute

B. ifconfig
C. gateway
D. route
E. ipconfig

Correct Answer: D
Section: The Linux Operating System
Explanation

Explanation/Reference:

QUESTION 39
Which network interface always exists in a Linux system?

A. lo
B. sit0
C. wlan0
D. vlan0
E. eth0

Correct Answer: A
Section: The Linux Operating System
Explanation

Explanation/Reference:

QUESTION 40
Which command will display running process information in real time?

A. top
B. show current
C. ps current
D. process

Correct Answer: A
Section: The Linux Operating System

Explanation

Explanation/Reference:

QUESTION 41
After installing a new package, in which directory are you most likely find its configuration file?

A. /lib
B. /conf
C. /etc
D. /usr
E. /opt

Correct Answer: C
Section: The Linux Operating System
Explanation

Explanation/Reference:

QUESTION 42
Which of the following commands can be used to determine the time of the last login of a given user?

A. showlog
B. recent
C. last
D. history
E. login

Correct Answer: C
Section: Security and File Permissions
Explanation

Explanation/Reference:

QUESTION 43
What permissions are set on a file with the command chmod 654 file.txt?

A. drw-r-xr--
B. d--wxr-x--
C. --wxr-x--x
D. -rwxrw---x
E. -rw-r-xr—

Correct Answer: E
Section: Security and File Permissions
Explanation

Explanation/Reference:

QUESTION 44
Which statements about the directory /etc/skel are correct? (Choose TWO answers)

A. The personal settings of root are in this directory.
B. The files from the directory are copied to the home directory of the new user when starting the system.
C. The files from the directory are copied to the home directory of a new user when the account is created.
D. The directory contains a default set of configuration files used by the useradd command.
E. The directory contains the global settings for the Linux system.

Correct Answer: CD
Section: Security and File Permissions
Explanation

Explanation/Reference:

QUESTION 45
Given the following directory permissions:

   drwxrwxrwt 14 root root 36864 2012-03-02 11:17 /tmp

What does the letter t at the end of drwxrwxrwt indicate?

A. It is the sticky bit that causes all commands in this directory to be launched as root.
B. It means that even though the directory is globally writable only the owner can delete their own files.

C. It makes the directory accessible for everybody.

D. It indicates that this directory contains only temporary files that may be deleted.

E. It is a temporary bit that prevents launching commands in this directory.

Correct Answer: B
Section: Security and File Permissions
Explanation

Explanation/Reference: