

| Put Student Name(s) ↓ | Put Student IDs ↓ | Due Date | Grade Weight |
|-------------------------|-------------------|-----------|--------------|
| Twinkle Akhilesh Mishra | 8894858 | As Posted | 15% |

Assignment 2: Linux Foundation Intro to Linux (LFS101) Free Course

| | |
|---------------------------------|--|
| Objectives | <ul style="list-style-type: none"> • Develop a good working knowledge of Linux using both the graphical interface and command line across the major Linux distribution families with this free training course. • Get Free certificate to add to your resume |
| Instructions | <ul style="list-style-type: none"> • It is an Individual assignment. Put your name + Student ID in the empty spaces above. • Submit via the D2L relevant link ONLY available @ Corse Tools, Assignments • Submission via email is NOT accepted and will NOT be considered. Students who submit by email will get Zero Mark. • Be sure to submit the final version file ONLY. • Show the signs of your genuine work is done on your machine as instructed in your reporting guidelines. • Use this same WORD template to include your work in the specified fields below. Upon completion of your report, convert this WORD document into PDF. Submit your final report ONLY in 1 PDF file. Do NOT submit multiple files. • Submit with this file name convention: PROG8820-Assignment 2-Student Name & ID • If you receive a degraded marks with my feedback, you are automatically allowed to submit a 2nd / Last version of your file to have a better mark. NO need to send an email asking for permission to re-submit. |
| Students Work for this activity | <ul style="list-style-type: none"> ➤ Go to: https://training.linuxfoundation.org/training/introduction-to-linux/ ➤ Create a free account and login. Use your real name, college email & contact info. Do NOT use personal emails ➤ Complete the course content sections (60 Hours) & available hands-on & available assessments: <ol style="list-style-type: none"> 1. Chapter 1. The Linux Foundation 2. Chapter 2. Linux Philosophy and Concepts 3. Chapter 3. Linux Basics and System Startup 4. Chapter 4. Graphical Interface 5. Chapter 5. System Configuration from the Graphical Interface 6. Chapter 6. Common Applications 7. Chapter 7. Command Line Operations 8. Chapter 8. Finding Linux Documentation 9. Chapter 9. Processes 10. Chapter 10. File Operations 11. Chapter 11. Text Editors 12. Chapter 12. User Environment 13. Chapter 13. Manipulating Text 14. Chapter 14. Network Operations |

| | |
|---|---|
| | <p>15. Chapter 15. The Bash Shell and Basic Scripting 16. Chapter 16. More on Bash Shell Scripting 17. Chapter 17. Printing 18. Chapter 18. Local Security Principles</p> |
| Your report MUST include | <ol style="list-style-type: none"> 1. Show your desktop background with Date/Time on all your screenshots & pages of the report 2. Screenshot of your login account 3. Screenshots of relevant assessments solutions 4. Screenshots of your Course conclusion 5. Screenshot of any possible mean you get as a proof for your course completion (Badge, Email, Certificate) 6. Your Learning Experience and what you have learned in your own writing (free writing) |

Your Report
Place is
here on the
right
column.
Expand the
field as
appropriate
to include
all report
parts

LF Individual Dashboard

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Knowledge Check



Question 2.1

What are some of the objectives of the Linux Foundation? **Select all answers that apply.**

Incorrect Answer

A. To promote Linux and provide neutral collaboration and education

Your Answer: Correct ✓

B. To improve Linux as a technical platform

Your Answer: Correct ✓

C. To sponsor the work of Linus Torvalds

Correct Answer

D. To manage Linux and UNIX servers on a commercial basis

[Next Question](#)

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Search



ENG
US

14:40
30-01-2025

THE LINUX FOUNDATION
Knowledge Check



Question 2.2

Debian provides the largest and most complete software repository to its users of any Linux distribution. **True or False?**

A. True

Your Answer: Correct ✓

B. False

Incorrect ✗

[Next Question](#)

1

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THE LINUX FOUNDATION
Knowledge Check

Question 2.3

Fedora serves as a downstream testing platform for RHEL. **True or False?**

- A. True
B. False

Incorrect X

Your Answer: Correct ✓

Next Question



THE LINUX FOUNDATION
Knowledge Check



Question 2.4

The Red Hat distribution family includes which of the following (**Select all answers that apply**):

Correct Answer

A. Ubuntu

B. CentOS

Your Answer: Correct ✓

C. SLES

D. openSUSE

E. Fedora

Your Answer: Correct ✓

See Results

1

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Search



ENG
US



14:42
30-01-2025

THE LINUX FOUNDATION
Knowledge Check



QUIZ RESULTS

YOU GOT 4 OUT OF 4 CORRECT: 100%



- TOTAL (4)
- ANSWERED
- CORRECT
- INCORRECT

Retake Quiz

Review All Question Results

Continue to Next Lesson



Search



ENG
US



14:54
30-01-2025

X Hide

LESSONS

- Linux Terminology
- Linux Distributions
- Knowledge Check
- Chapter 3 Quiz

Summary

04. LINUX BASICS AND SYSTEM STARTUP

- Introduction
- The Boot Process
- Kernel, init and Services
- Linux Filesystem Basics
- Linux Distribution Installation
- Knowledge Check

Summary

RESOURCES

NOTES

SUPPORT SIGN OUT

LINUX PHILOSOPHY AND CONCEPTS

Knowledge Check

← →

Question 3.1

When did Linus Torvalds start writing the Linux kernel?

A. 1952

B. 1991

C. 2002

D. 2010

Correct ✓

Next Question

1 2 3 4 5 6 7 8 9



Question 3.2

Which of the following statements associated with the Linux philosophy are true? **Select all answers that apply.**

Incorrect Answer

A. Linux is a free and open source operating system drawing on the Linux legacy

Correct Answer

B. Processes, devices, and network sockets are all represented by file-like objects, and can often be worked using the same utilities used for regular files

Your Answer: Correct ✓

C. Linux makes its components available via its servers

D. In Linux, all files are stored in one united directory tree, starting at "/", the system's root directory

Your Answer: Correct ✓

Next Question



1 2 3 4 5 6 7 8 9

Question 3.3

Which of the following qualifications are required for participating in the Linux kernel development? **Select all answers that apply.**

Correct Answer

- A.** Technical skills
 - B.** A desire to contribute
 - C.** Citizen of the U.S.
 - D.** University degree in computer science

Your Answer: Correct ✓

Your Answer: Correct ✓

Next Question

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8

ENG
US



18:57
02-02-2025

Question 3.4

Which of the following communication channels does the Linux community use to communicate? **Select all answers that apply.**

Correct Answer

A. cnn.com

B. IRC channels

Your Answer: Correct ✓

C. Mailing lists

Your Answer: Correct ✓

D. Community events

Your Answer: Correct ✓

Next Question

1 2 3 4 5 6 7 8 9

Show desktop



Search



ENG
US



18:57
02-02-2025

Question 3.5

What is a kernel?

- A. The glue between hardware and applications

Your Answer: Correct ✓

- B. A collection of software making up a Linux-based operating system

Incorrect ✗

- C. A program that runs as a background process

Incorrect ✗

- D. A graphical subsystem on nearly all Linux systems

Incorrect ✗

[Next Question](#)

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Question 3.6

What is a desktop environment?

- A. A collection of software making up a Linux-based operating system
 - B. A program that runs as a background process
 - C. A graphical subsystem on nearly all Linux systems
 - D. A graphical user interface on top of the operating system

Your Answer: Incorrect X

Incorrect X

Incorrect X

Correct Answer ✓

Next Question



Question 3.7

What is a command line?

- A. A collection of software making up a Linux-based operating system

Incorrect ✗

- B. A program that runs as a background process

Incorrect ✗

- C. An interface for typing commands for the operating system to execute

Your Answer: Correct ✓

- D. A list of commands requested to be run in the order presented

Incorrect ✗

Next Question



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Question 3.8

In addition to the kernel, what are some of the purposes of the other software tools required for developing a full Linux distribution? **Select all answers that apply.**

Correct Answer

- #### A. Performing file-related operations

Your Answer: Correct ✓

- #### **B. Catering to different audiences**

- #### C. Maintaining user management

- #### D. Taking care of software package management

Your Answer: Correct ✓

Your Answer: Correct ✓

Next Question



Question 3.9

Which of the following are binary-compatible Linux distributions which are free alternatives to Red Hat Enterprise Linux (RHEL)?
Select all answers that apply.

A. CentOS

Your Answer: Correct ✓

B. Ubuntu

Incorrect ✗

C. openSUSE

Incorrect ✗

[See Results](#)

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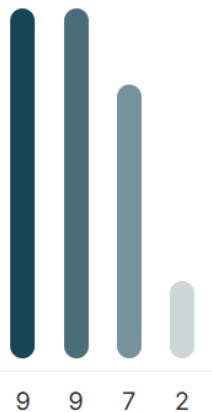


Knowledge Check



QUIZ RESULTS

YOU GOT 7 OUT OF 9 CORRECT: 78%



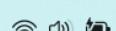
- TOTAL (9)
- ANSWERED
- CORRECT
- INCORRECT

[Retake Quiz](#)[Review All Question Results](#)[Continue to Next Lesson](#)[Search](#)

ENG



US



18:56

02-02-2025

Question 4.1

Which of the following is responsible for launching Linux?

A. Boot loader

Your Answer: Correct ✓

B. init

Incorrect ✗

C. X Window System

Incorrect ✗

D. BIOS

Incorrect ✗

[Next Question](#)

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Search



ENG
US



19:36
02-02-2025



Question 4.2

Which of the following is responsible for starting system and network services at boot time?

- A. kernel Incorrect ✗
- B. Boot loader Incorrect ✗
- C. init Your Answer: Correct ✓
- D. GRUB Incorrect ✗

[Next Question](#)

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Question 4.3

Please select a possible correct full path for a file named `photo.jpg` on a Linux system.

A. `./data.user1.images.photo.jpg`

Incorrect X

B. `/Data_user1_images_photo.jpg`

Incorrect X

C. `/data/user1/images/photo.jpg`

Your Answer: Correct ✓

D. `c:\data\user1\images\photo.jpg`

Incorrect X

Next Question

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Question 4.4

You have just brought home a new set top box for your television, that includes a digital video recorder (DVR). It is probably running Linux, like most currently popular multimedia appliances. Which variety of Linux would you expect to have been installed on it?

- A. A desktop version with a friendly graphical interface

Incorrect ✗

- B. A server version, such as Red Hat Enterprise Linux

Incorrect ✗

- C. A specialized version with only the minimal set of software needed to accomplish its task

Your Answer: Correct ✓

Next Question

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Search



ENG
US



19:38
02-02-2025

Question 4.5

What type of Linux configuration files are used to automate the installation process? **Select all answers that apply.**

Correct Answer

- ## A. Kickstart

Your Answer: Correct ✓

- ## B. AutoYaST

Your Answer: Correct ✓

- C. CD/DVD**

- D. USB

See Results



QUIZ RESULTS

YOU GOT 5 OUT OF 5 CORRECT: 100%



- TOTAL (5)
- ANSWERED
- CORRECT
- INCORRECT

[Retake Quiz](#)

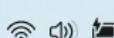
[Review All Question Results](#)

[Continue to Next Lesson](#)

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US



19:38
02-02-2025

Question 5.1

Which of the following is a popular desktop environment and graphical user interface that runs on top of the Linux operating system?

A. Fedora

Incorrect ✗

B. GNOME

Your Answer: Correct ✓

C. SUSE

Incorrect ✗

D. Debian

Incorrect ✗

Next Question

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Search



ENG
US



20:10
02-02-2025

Question 5.2

Which of the following is a program that adds many more customization options to a GNOME desktop, including installing and configuring extensions?

- A. gnome-extension-editor Incorrect ✗

B. gnome-tweaks or gnome-tweak-tool Your Answer: Correct ✓

C. gnome-restore-omitted-options Incorrect ✗

D. gnome-make-desktop-sane Incorrect ✗

Next Question



Question 5.3

Which of the following steps initiates changing the desktop background?

- A. When logging in, before typing your password, click on the upper right corner

Incorrect X

- B. Right-click on the desktop and select Change Desktop Background

Correct Answer ✓

- C. Reinstall the system

Your Answer: Incorrect X

Next Question



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Question 5.4

What action saves the current state of the system in RAM?

A. Switching user

Incorrect X

B. Suspending

Your Answer: Correct ✓

C. Shutting down

Incorrect X

D. Logging out

Incorrect X

[Next Question](#)



Question 5.5

What keyboard shortcut is used to lock the screen?

A. CTRL-SUPER-ALT-L

Incorrect ✗

B. SUPER-L

Your Answer: Correct ✓

C. CTRL-ALT-F7

Incorrect ✗

D. CTRL-ALT-DEL

Incorrect ✗

[Next Question](#)

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Question 5.6

Which of these are default directories available under the **Home** directory? **Select all answers that apply.**

Correct Answer

A. Desktop

Your Answer: Correct ✓

B. Documents

Your Answer: Correct ✓

C. Root

D. Downloads

Your Answer: Correct ✓

Next Question

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Search



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US



20:14
02-02-2025

Question 5.7

What is the default text editor in GNOME?

A. gedit

Your Answer: Correct ✓

B. Notepad

Incorrect ✗

C. Nautilus

Incorrect ✗

D. redit

Incorrect ✗

[See Results](#)

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Search



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20:15
02-02-2025

QUIZ RESULTS

YOU GOT 6 OUT OF 7 CORRECT: 86%



- TOTAL (7)
- ANSWERED
- CORRECT
- INCORRECT

[Retake Quiz](#)

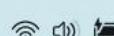
[Review All Question Results](#)

[Continue to Next Lesson](#)

Search



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20:17
02-02-2025

Question 6.1

Which protocol is used to set the local time via Internet servers?

A. Network Clock Protocol (NCP)

Incorrect X

B. Network What Time Is IT Protocol (NWTIP)

Incorrect X

C. Network Time Protocol (NTP)

Your Answer: Correct ✓

D. Network GPS Protocol (NGP)

Incorrect X

Next Question

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Question 6.2

Which of the following settings can you configure using the *Display* panel?

- A.** Preferred Applications
 - B.** Screen Resolution
 - C.** Network Routing
 - D.** User Name

Your Answer: Correct ✓

Incorrect ×

Incorrect ×

Incorrect ×

Next Question



Question 6.3

Which VPN technologies does the Network Manager support?

- A. OpenVPN Incorrect X
- B. Cisco OpenConnect Incorrect X
- C. IPSec Incorrect X
- D. All of the above Your Answer: Correct ✓

Next Question

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Search



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04-02-2025

Question 6.4

Which of the following package management utilities are used by Ubuntu? **Select all answers that apply.**

Correct Answer

A. up2date

B. dpkg

Your Answer: Correct ✓

C. yum

D. Ubuntu Software Center

Your Answer: Correct ✓

Next Question

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Search



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04-02-2025

Question 6.5

openSUSE uses _____ to add and remove software packages.

- A.** Google Play
 - B.** YaST software management
 - C.** YaST configuration management
 - D.** SUSE software center

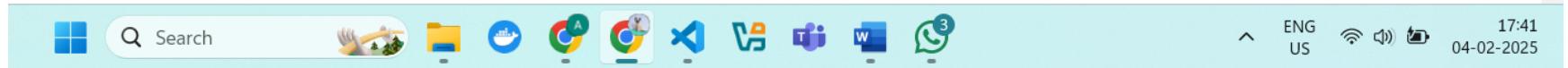
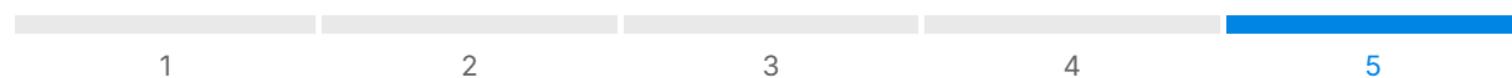
Your Answer: Correct ✓

Incorrect X

Incorrect X

Incorrect X

See Results



QUIZ RESULTS

YOU GOT 5 OUT OF 5 CORRECT: 100%



- TOTAL (5)
- ANSWERED
- CORRECT
- INCORRECT

[Retake Quiz](#)

[Review All Question Results](#)

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04-02-2025

Question 7.1

Which two of the following are common protocols used to access emails stored on a remote mail server? **Select all answers that apply.**

Correct Answer

A. mutt

B. POP

Your Answer: Correct ✓

C. mail

D. IMAP

Your Answer: Correct ✓

Next Question

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04-02-2025

Question 7.2

Which of the following are text mode email clients widely available in Linux? **Select all answers that apply.**

Correct Answer

A. mutt

Your Answer: Correct ✓

B. Evolution

C. mail

Your Answer: Correct ✓

D. Claws Mail

Next Question

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US



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04-02-2025

Question 7.3

Which of the following are graphical email clients widely available in Linux? Select all answers that apply.

Correct Answer

A. Thunderbird

Your Answer: Correct ✓

B. mutt

C. mail

D. Claws Mail

Your Answer: Correct ✓

Next Question

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Question 7.4

What is the use of the Impress component in LibreOffice?

- A. Word processing Incorrect ✗
- B. Spreadsheets Incorrect ✗
- C. Create and edit graphics and diagrams Incorrect ✗
- D. Presentations Your Answer: Correct ✓

[Next Question](#)

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04-02-2025

Question 7.5

Which of the following are tools often used by developers on Linux systems? Select all answers that apply.

Correct Answer

A. gdb

Your Answer: Correct ✓

B. gcc

Your Answer: Correct ✓

C. git

Your Answer: Correct ✓

D. clang

Your Answer: Correct ✓

See Results

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Search



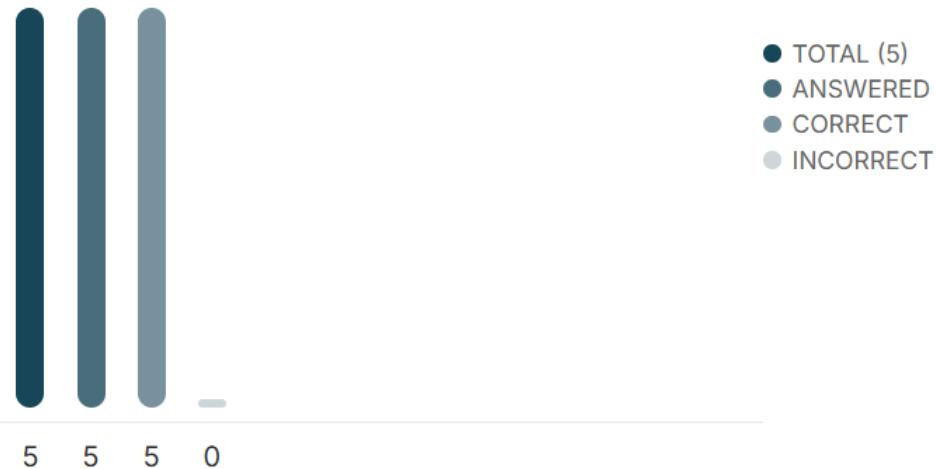
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QUIZ RESULTS

YOU GOT 5 OUT OF 5 CORRECT: 100%



[Retake Quiz](#)

[Review All Question Results](#)

[Continue to Next Lesson](#)



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04-02-2025

Question 8.1

Which key combination would allow you to switch from the GUI to the text virtual terminal 4?

- A. CTRL-SHIFT-F4
- B. CTRL-ALT-SHIFT-SUPER-F4
- C. CTRL-ALT-F4
- D. CTRL-SHIFT-F4

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Incorrect ✗

Next Question



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Question 8.2

Assuming you are not the root user, which of the following commands would turn off the graphical desktop, depending on your specific Linux distribution? **Select all answers that apply.**

Correct Answer

A. sudo telinit 3

Your Answer: Correct ✓

B. sudo systemctl stop gdm

Your Answer: Correct ✓

C. telinit restart 5

D. sudo systemctl stop gui

[Next Question](#)

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Search



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US



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04-02-2025

Question 8.3

Assuming you are the root user, which commands allow you to shut down your system without rebooting? **Select all answers that apply.**

Correct Answer

A. halt

Your Answer: Correct ✓

B. shutdown -r now

C. poweroff

Your Answer: Correct ✓

D. shutdown -h now

Your Answer: Correct ✓

Next Question

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Question 8.4

Which commands allow you to locate programs? **Select all answers that apply.**

Correct Answer

A. whichis

B. which

Your Answer: Correct ✓

C. whichever

D. whereis

Your Answer: Correct ✓

Next Question

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Search



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US



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04-02-2025

Question 8.5

Which of the following are examples of an absolute path? **Select all answers that apply.**

Incorrect Answer

A./etc/passwd

Your Answer: Correct ✓

B. ../passwd

C. //etc/passwd

Correct Answer

D. \\passwd

[Next Question](#)



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Question 8.6

Using which command can you view an entire file with scroll-back?

A. tail

Incorrect ✗

B. cat

Incorrect ✗

C. less

Your Answer: Correct ✓

D. head

Incorrect ✗

Next Question

1 2 3 4 5 6 7 8 9 10 11



Question 8.7

Using which command you forcefully remove a directory recursively?

A. rmdir

Your Answer: Incorrect ✗

B. rm -rf

Correct Answer ✓

C. rmdir -f

Incorrect ✗

D. mv -rf

Incorrect ✗

[Next Question](#)



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US



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04-02-2025

Question 8.8

Which command is used to perform a database search of pathnames given the substring that is provided as a parameter?

A. locate

Your Answer: Correct ✓

B. updatebd

Incorrect ✗

C. find

Incorrect ✗

D. whereis

Incorrect ✗

[Next Question](#)

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Question 8.9

Which bash wildcard is used to match any single character?

A. *

Incorrect ✗

B. @

Incorrect ✗

C. ?

Your Answer: Correct ✓

D. #

Incorrect ✗

Next Question



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Question 8.10

Which of the following are high-level package managers? **Select all answers that apply.**

Incorrect Answer

A. dpkg

Your Answer: Incorrect ✗

B. apt

Your Answer: Correct ✓

C. dnf

Correct Answer

D. zypper

Your Answer: Correct ✓

Next Question

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04-02-2025

Question 8.11

Which of the following are low-level package managers? **Select all answers that apply.**

Correct Answer

A. dpkg

Your Answer: Correct ✓

B. apt

C. dnf

D. rpm

Your Answer: Correct ✓

See Results

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Search



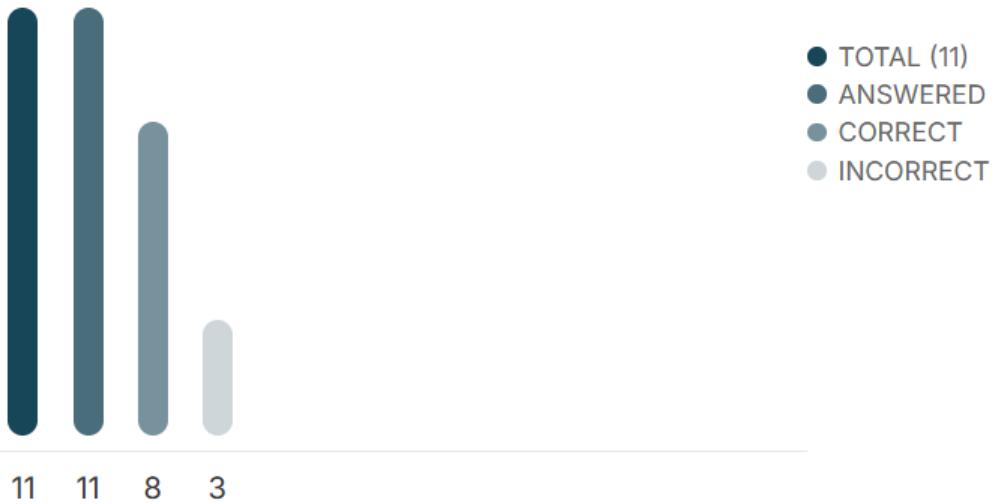
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22:13
04-02-2025

QUIZ RESULTS

YOU GOT 8 OUT OF 11 CORRECT: 73%



Retake Quiz

Review All Question Results

Continue to Next Lesson



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22:13
04-02-2025

Question 9.1

Which of the following are sources of Linux documentation? **Select all answers that apply.**

Correct Answer

A. MSDN network

B. The man pages

Your Answer: Correct ✓

C. Gentoo Documentation

Your Answer: Correct ✓

D. The Congressional Record

Next Question

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US



22:23
04-02-2025

Question 9.2

What is displayed when deploying man with no options other than the topic as an argument?

- A. All man pages in sequence with the given name in all chapters

Incorrect ✗

- B. The primary manual page for the given topic

Your Answer: Correct ✓

- C. The man pages with a word in the name

Incorrect ✗

- D. The man pages discussing the subject

Incorrect ✗

[Next Question](#)



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22:23
04-02-2025

Question 9.3

What does the `man -k` command display?

- A. All man pages in sequence with the given name in all chapters Incorrect X
- B. The man pages with a word in the name Incorrect X
- C. The manual page for the given topic Incorrect X
- D. A list of the man pages discussing the subject Your Answer: Correct ✓

[Next Question](#)

1 2 3 4 5 6 7 8 9 10 11



Question 9.4

What does the `man -a` command display?

A. All man pages in sequence with the given name in all chapters

Correct Answer ✓

B. The man pages with a word in the name

Incorrect ✗

C. The manual page for the given topic

Your Answer: Incorrect ✗

D. The man pages discussing the subject

Incorrect ✗

[Next Question](#)



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22:24
04-02-2025

Question 9.5

What does `info <topic>` show?

- A. Shows the list of all pages involving the topic Incorrect ✗
- B. Requests you type in information about the topic Incorrect ✗
- C. Shows the info page for the specified topic Your Answer: Correct ✓
- D. Searches the internet for information on the topic Incorrect ✗

[Next Question](#)

1 2 3 4 5 6 7 8 9 10 11



Search



ENG
US



22:24
04-02-2025

Question 9.6

What does the `info` command (with no arguments) show?

A. Shows the index of topics

Correct Answer ✓

B. Searches the Internet for information

Incorrect ✗

C. Shows the info page for the currently running Linux kernel

Your Answer: Incorrect ✗

D. Prints out every info page

Incorrect ✗

[Next Question](#)

1 2 3 4 5 6 7 8 9 10 11



Question 9.7

What are the topics in info pages called?

A. Items

Incorrect X

B. Nodes

Your Answer: Correct ✓

C. Sections

Incorrect X

D. Menus

Incorrect X

Next Question



1

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Question 9.8

Which of the following are the built-in help options that can be used for quick references? **Select all answers that apply.**

Incorrect Answer

A. -h

Your Answer: Correct ✓

B. --help

Your Answer: Correct ✓

C. ./help

D. help --

Your Answer: Incorrect ✗

Next Question

1 2 3 4 5 6 7 8 9 10 11



Question 9.9

Which command displays a short synopsis of built-in shell commands?

A. man

Incorrect ✗

B. help

Your Answer: Correct ✓

C. doc

Incorrect ✗

D. showme

Incorrect ✗

[Next Question](#)

1 2 3 4 5 6 7 8 9 10 11

Oracle VirtualBox



Search



ENG

US



22:26
04-02-2025

Question 9.10

Which of the following types of documentation can be accessed through `/usr/share/doc`?

A. man pages

Incorrect ✗

B. Package Documentation

Your Answer: Correct ✓

C. info pages

Incorrect ✗

D. Internet resources

Incorrect ✗

Next Question

1 2 3 4 5 6 7 8 9 10 11



Question 9.11

Which of the following commands might be used to start the GNOME graphical help system? **Select all answers that apply.**

Correct Answer

A. gnome-help

Your Answer: Correct ✓

B. gnome-info

C. yelp

Your Answer: Correct ✓

D. pleasehelpme

[See Results](#)

1 2 3 4 5 6 7 8 9 10 11



22:26
04-02-2025

QUIZ RESULTS

YOU GOT 8 OUT OF 11 CORRECT: 73%



- TOTAL (11)
- ANSWERED
- CORRECT
- INCORRECT

Retake Quiz

Review All Question Results

Continue to Next Lesson



ENG
US



22:26
04-02-2025

Question 10.1

Which of the following is scheduled to run and then disconnected from the terminal?

A. Interactive process

Incorrect ✗

B. Batch process

Your Answer: Correct ✓

C. Kernel threads

Incorrect ✗

D. Threads

Incorrect ✗

Next Question



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Q Search



ENG
US



11:54
06-02-2025

Question 10.2

Which of the below choices points to server processes that get initialized during system startup and then wait for a user or system request indicating that work needs to be done?

A. Batch Processes

Incorrect ✗

B. Daemons

Your Answer: Correct ✓

C. Nice Processes

Incorrect ✗

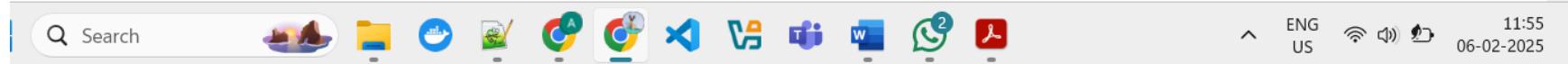
D. Interrupt Handlers

Incorrect ✗

[Next Question](#)



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



Question 10.3

What are possible states of a process? **Select all answers that apply.**

Correct Answer

A. Running

Your Answer: Correct ✓

B. Agitated

C. Sleeping (Waiting)

Your Answer: Correct ✓

D. Nice

Next Question

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



11:55
ENG
US
06-02-2025

Question 10.4

Which of the following is the unique identifier for a process?

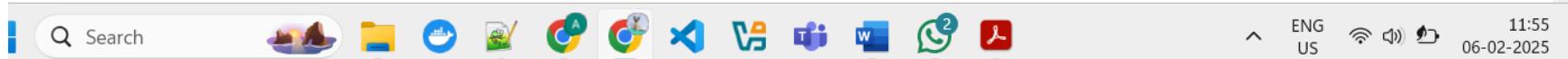
- A. PID Your Answer: **Correct ✓**

B. PPID Incorrect ✗

C. TID Incorrect ✗

D. UID Incorrect ✗

Next Question



Question 10.5

Identify the correct statements. **Select all answers that apply.**

Correct Answer

A. High priority jobs have higher nice value

B. High priority jobs have lower nice value

Your Answer: Correct ✓

C. Low priority jobs have higher nice value

Your Answer: Correct ✓

D. Low priority jobs have lower nice value

Next Question

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



ENG
US



11:56
06-02-2025

Question 10.6

The Ctrl+Alt+Delete shortcut is used to terminate a foreground process.

- A. CTRL-C Correct Answer ✓
 - B. CTRL-Z Your Answer: Incorrect ✗
 - C. ALT-C Incorrect ✗
 - D. ALT-Z Incorrect ✗

Next Question



Question 10.7

Choose the correct statement related to **CTRL-Z**.

- A. It is used to suspend the foreground processes
 - B. It is used to suspend the background processes
 - C. It is used to reinitiate the foreground processes
 - D. It is used to reinitiate the background processes

Your Answer: Correct ✓

Incorrect ×

Incorrect X

Incorrect X

Next Question



Question 10.8

Which command is used to bring the process to the foreground?

- A. bg
- B. sleep
- C. fg
- D. &

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Incorrect ✗

Next Question



Question 10.9

Which command is used to enumerate the background processes running in the current terminal session?

A. sleep

Incorrect ✗

B. fg

Incorrect ✗

C. jobs

Your Answer: Correct ✓

D. bg

Incorrect ✗

[Next Question](#)



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 10.10

Which of the following can be used to view process information? **Select all answers that apply.**

Incorrect Answer

- A. top
 - B. pstreet
 - C. which
 - D. w

Your Answer: Correct ✓

Your Answer: Correct ✓

Your Answer: **Incorrect** X

Next Question

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 10.11

Which of the following describes things `pstree` can display? **Select all answers that apply.**

Correct Answer

A. The relationship between parent and child processes

Your Answer: **Correct ✓**

B. Recently terminated processes

C. Repeated processes

D. Threads in curly braces

Your Answer: **Correct ✓**

[Next Question](#)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 10.12

Which of the following are displayed by top by default? **Select all answers that apply.**

Correct Answer

A. PID

Your Answer: Correct ✓

B. PR

Your Answer: Correct ✓

C. UID

D. USER

Your Answer: Correct ✓

Next Question

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



Question 10.13

What information does the second line of the top output display? **Select all answers that apply.**

Correct Answer

A. User sessions

B. Stopped processes

Your Answer: Correct ✓

C. Steal time

D. Zombie processes

Your Answer: Correct ✓

Next Question



Search



ENG
US



11:58
06-02-2025

Question 10.14

Which key is used to sort the process list by top resource consumers when using top?

A. S

Incorrect X

B. F

Your Answer: Incorrect X

C. K

Incorrect X

D. A

Correct Answer ✓

Next Question



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Question 10.15

Which facility is used to schedule a periodically performed task?

A. submit

Incorrect ✗

B. ps

Incorrect ✗

C. at

Incorrect ✗

D. cron

Your Answer: Correct ✓

Next Question



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



Question 10.16

The **at** utility is used to execute:

- A. Interactive programs at a specific time
- B. Non-interactive programs at a specific time
- C. Interactive programs at periodic time intervals
- D. Non-interactive programs at periodic time intervals

Incorrect ×

Your Answer: Correct ✓

Incorrect ×

Incorrect ×

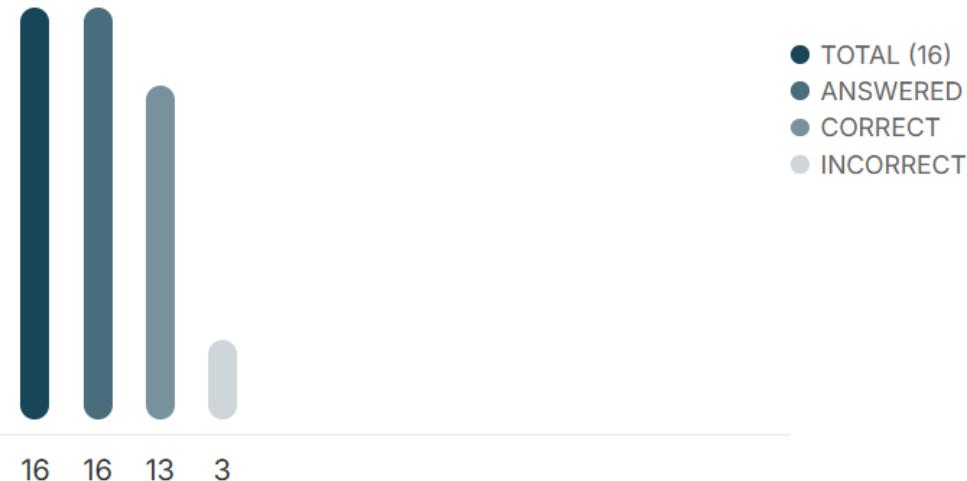
[See Results](#)



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

QUIZ RESULTS

YOU GOT 13 OUT OF 16 CORRECT: 81%



[Retake Quiz](#)

[Review All Question Results](#)

[Continue to Next Lesson](#)



ENG
US



11:59

06-02-2025



11:59

06-02-2025



Question 11.1

Which of the following configuration files shows which filesystems will be automatically mounted when the system is brought up into multi-user mode?

A. /etc/login.defs

Incorrect ✗

B. /etc/fstab

Your Answer: Correct ✓

C. /etc/profile

Incorrect ✗

D. /proc/sys/fs

Incorrect ✗

[Next Question](#)



1 2 3 4 5 6 7 8 9 10 11



Question 11.2

Which command can be used to inquire whether a filesystem is mounted as read-only or as read/write?

- A. df -Th
- B. cat /etc/fstab
- C. mount
- D. exportfs -av

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Incorrect ✗

[Next Question](#)



Question 11.3

Which of the following commands will ensure that the shared files are available over a network?

A. exportfs

Your Answer: Correct ✓

B. exportnfs

Incorrect ✗

C. exportfiles

Incorrect ✗

D. exportnetwork

Incorrect ✗

[Next Question](#)



1 2 3 4 5 6 7 8 9 10 11



Question 11.4

Which is the home directory of the superuser account?

A. /bin

Incorrect ✗

B. /root

Your Answer: Correct ✓

C. /dev

Incorrect ✗

D. /boot

Incorrect ✗

[Next Question](#)

1 2 3 4 5 6 7 8 9 10 11



Question 11.5

Where can you find the device nodes of a Linux system?

A. /etc

Incorrect X

B. /mnt

Incorrect X

C. /dev

Your Answer: Correct ✓

D. /var

Incorrect X

[Next Question](#)



1 2 3 4 5 6 7 8 9 10 11



Question 11.6

Which of the following commands will recursively compare two directory trees, just mentioning which files are different, new or deleted?

- A. diff -wq /usr/src/linux-4.9 /usr/src/linux-4.10:
- B. diff -qr /usr/src/linux-4.9 /usr/src/linux-4.10:
- C. diff -sr /usr/src/linux-4.9 /usr/src/linux-4.10:
- D. diff -ir /usr/src/linux-4.9 /usr/src/linux-4.10:

Incorrect ✗

Your Answer: Correct ✓

Incorrect ✗

Incorrect ✗

[Next Question](#)



1 2 3 4 5 6 7 8 9 10 11



Question 11.7

Which command will show you the type of the file named `some_file`?

- A. `identify some_file`
- B. `locate some_file`
- C. `file some_file`
- D. `diff some_file`

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Incorrect ✗

[Next Question](#)



1 2 3 4 5 6 7 8 9 10 11



Question 11.8

The command `tar zcvf backup.tar.gz ~` will archive which of the following in the file `backup.tar.gz`?

A. The user's home directory

Incorrect ✗

B. The user's entire home directory tree

Your Answer: Correct ✓

C. The entire hard disk

Incorrect ✗

D. The entire partition the user's home directory resides in

Incorrect ✗

[Next Question](#)



1 2 3 4 5 6 7 8 9 10 11



Question 11.9

Which of the following commands will compress all the files in `some_dir`, along with all of the files in all the directories under it?

A. `$ gzip *`

Incorrect ✗

B. `$ gzip -r some_dir`

Your Answer: Correct ✓

C. `$ gzip -d some_dir`

Incorrect ✗

D. `$ gunzip some_dir`

Incorrect ✗

[Next Question](#)



1 2 3 4 5 6 7 8 9 10 11



Question 11.10

While copying one directory to a similar directory on another system over the network, rsync copies:

- A. All files Incorrect ✗

B. All subdirectories Incorrect ✗

C. All files and subdirectories that have changed Incorrect ✗

D. Only the parts of all files and subdirectories that have changed Your Answer: Correct ✓

Your Answer: Correct ✓

Next Question



Question 11.11

The two commands `gunzip foo` and `gzip -d foo` do the same thing. **True or False?**

A. True

Your Answer: Correct ✓

B. False

Incorrect ✗

[See Results](#)



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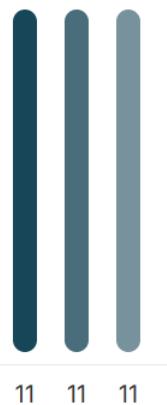
10

11



QUIZ RESULTS

YOU GOT 11 OUT OF 11 CORRECT: 100%



- TOTAL (11)
- ANSWERED
- CORRECT
- INCORRECT

[Retake Quiz](#)

[Review All Question Results](#)

[Continue to Next Lesson](#)



Search



ENG
US



17:32
06-02-2025

Question 12.1

Which command is used to launch the tutorial for the vim editor?

A. vimbegin

Incorrect ✕

B. vimtutor

Your Answer: Correct ✓

C. vi -tutor

Incorrect ✕

D. vimtutorial

Incorrect ✕

Next Question

1

2



Question 12.2

Which of the following is used to exit emacs after prompting to save all modified files?

- A. CTRL-x c
- B. CTRL-x s
- C. CTRL-x CTRL-s
- D. CTRL-x CTRL-c

Incorrect ✗

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

See Results

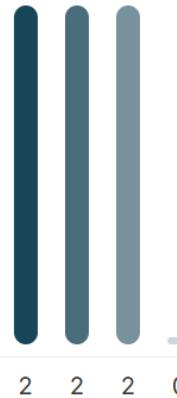
1

2



QUIZ RESULTS

YOU GOT 2 OUT OF 2 CORRECT: 100%



- TOTAL (2)
- ANSWERED
- CORRECT
- INCORRECT

[Retake Quiz](#) [Review All Question Results](#) [Continue to Next Lesson](#)



Search



ENG
US



20:08
06-02-2025

Question 13.1

Which of the following statements are true? **Select all answers that apply.**

Correct Answer

- A. su is safer to use than sudo
- B. sudo is safer to use than su
- C. Normal userids have values of 1000 or greater
- D. Normal userids have values of 499 or less

Your Answer: Correct ✓

Your Answer: Correct ✓

[Next Question](#)



Question 13.2

What are advantages of startup files? **Select all answers that apply.**

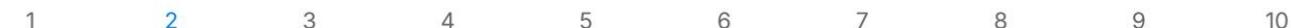
Correct Answer

- A. They help the users change to the root account
- B. They can set command line shortcuts and aliases
- C. They can provide full access to the system
- D. They can set the default text editor

Your Answer: Correct ✓

Your Answer: Correct ✓

[Next Question](#)



1 2 3 4 5 6 7 8 9 10



Question 13.3

Which command is used to create an alias, `cdtmp` for `cd /tmp`?

- A. `alias cdttmp=cd /tmp`
- B. `cdtmp='cd /tmp'`
- C. `alias cdttmp 'cd /tmp'`
- D. `alias cdttmp='cd /tmp'`

Incorrect ✗

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

[Next Question](#)



1 2 3 4 5 6 7 8 9 10



Question 13.4

Which of the following is a commonly used environment variable?

- A. HOMEDIR
- B. SECRET_PASSWORD
- C. GROUP
- D. HOME

Incorrect ✗

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Next Question



ENG
US 20:59
06-02-2025

Question 13.5

Which of the following environment variables is used to specify the prompt string?

A. EXPORT

Incorrect ✗

B. PS1

Your Answer: Correct ✓

C. ENV

Incorrect ✗

D. SHELL

Incorrect ✗

[Next Question](#)

1 2 3 4 5 6 7 8 9 10



Question 13.6

Which of the following will set your bash prompt to include the current working directory?

A. `export PS1='\w$ '`

Your Answer: Correct ✓

B. `export PS1='\u@\h:\d$ '`

Incorrect ✗

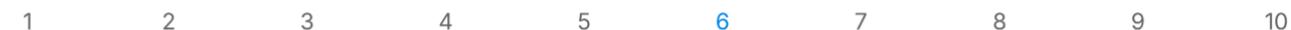
C. `export PS1='\$ '`

Incorrect ✗

D. `echo $PS1`

Incorrect ✗

[Next Question](#)



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Question 13.7

How would you find the name of a previously used command and easily rerun that command without having to type it at the prompt?

- A. Press the Down arrow key until you locate the command, and then press Enter to rerun the command

Incorrect ✕

- B. Press the Up arrow key until you locate the command, and then press Enter to rerun the command

Your Answer: Correct ✓

- C. Use the history command to locate the command, and then press Enter to rerun the command

Incorrect ✕

- D. Press the Right arrow key until you locate the command, and then press Enter to rerun the command

Incorrect ✕

[Next Question](#)



1 2 3 4 5 6 7 8 9 10



Question 13.8

How would you run command 70 from your previous history in one step?

A. run !70

Incorrect ✗

B. exec 70

Incorrect ✗

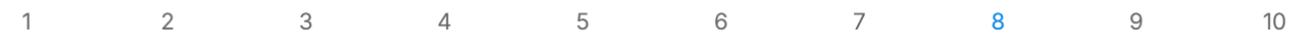
C. !70

Your Answer: Correct ✓

D. call !70

Incorrect ✗

[Next Question](#)



1 2 3 4 5 6 7 8 9 10



Question 13.9

Where does the shell store the command history?

- A. bash Incorrect X
- B. ~/.bash_history Your Answer: Correct ✓
- C. /bin/bash Incorrect X
- D. /bin /etc /var Incorrect X

[Next Question](#)



1 2 3 4 5 6 7 8 9 10



Question 13.10

Which of the following permissions provides read and execute access?

- A. rwx Incorrect X
- B. r-- Incorrect X
- C. rw- Incorrect X
- D. r-x Your Answer: Correct ✓

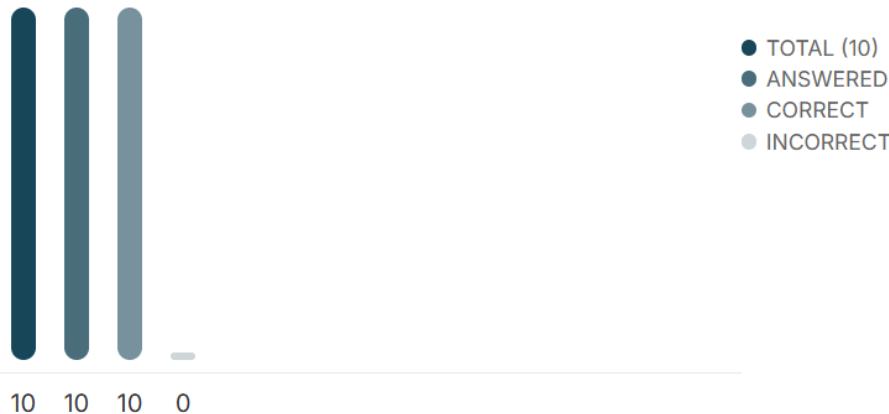
[See Results](#)

1 2 3 4 5 6 7 8 9 10



QUIZ RESULTS

YOU GOT 10 OUT OF 10 CORRECT: 100%



Retake Quiz

Review All Question Results

Continue to Next Lesson



Search



ENG
US



21:01
06-02-2025

Question 14.1

Which command is used to combine three files into a fourth file?

A. cat file1 file2 file3 > file4

Your Answer: Correct ✓

B. cp file1 file2 file3 > file4

Incorrect ✗

C. cat file1 > file2 > file3 > file4

Incorrect ✗

D. cat file1 > file2 > file3 | file4

Incorrect ✗

Next Question

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Question 14.2

Which command is often used to send text to the screen or output file?

A. echo

Your Answer: Correct ✓

B. type

Incorrect ✗

C. read

Incorrect ✗

D. write

Incorrect ✗

Next Question

1 2 3 4 5 6 7 8 9 10 11 12

Question 14.3

Which of the following commands can be used to view the last 15 lines of a file? **Select all answers that apply.**

Correct Answer

A. tail +15 some_file

B. tail -15 some_file

Your Answer: Correct ✓

C. tail -n15 some_file

Your Answer: Correct ✓

D. tail=15 some_file

Next Question

1 2 3 4 5 6 7 8 9 10 11 12



Question 14.4

Which of the following commands will replace all instances of the word "dog" with "pig" in the file named "some_file" and send the output to stdout? **Select all answers that apply.**

Incorrect Answer

A. `sed -e s/dog/pig/g some_file`

Your Answer: Correct ✓

B. `sed -e s/dog/pig/ some_file`

Your Answer: Incorrect ✗

C. `sed -e s:dog:pig:g some_file`

Correct Answer

D. `cat some_file | sed -e s/dog/pig/g`

Your Answer: Correct ✓

Next Question

1 2 3 4 5 6 7 8 9 10 11 12

Question 14.5

Consider a data file `/usr/data/employee` that contains the information of 300 employees, in the following format: (`emp-name:age:date-of-birth`). Select the correct syntax of the `awk` command that prints the name and date-of-birth.

A. `$ awk -F: '{ print $1 ; $3 }' /usr/data/employee`

Incorrect ✗

B. `$ awk -F: '{ print $1 & $3 }' /usr/data/employee`

Incorrect ✗

C. `$ awk -F: '{ print $1 $3 }' /usr/data/employee`

Your Answer: Correct ✓

D. `$ awk -F: '{ print $1 - $3 }' /usr/data/employee`

Incorrect ✗

Next Question



1 2 3 4 5 6 7 8 9 10 11 12

Question 14.6

Identify the command option that should be present in the `paste` command to combine two files with a specified delimiter.

A. -d

Your Answer: Correct ✓

B. -n

Incorrect ✗

C. -t

Incorrect ✗

D. -r

Incorrect ✗

Next Question



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Question 14.7

Which command will combine two files that share a common field?

- A. merge Incorrect X
 - B. paste Incorrect X
 - C. join Correct Answer ✓
 - D. cat Your Answer: Incorrect X

Next Question



Question 14.8

In search patterns, what is the syntax to match the end of the string?

A. .

Incorrect ✕

B. ^

Incorrect ✕

C. \$

Your Answer: Correct ✓

D. *

Incorrect ✕

Next Question



Question 14.9

Which commands can be used to print the lines that contain the numbers 0–5 in a file? **Select all answers that apply.**

Incorrect Answer

A. grep [0,1,2,3,4,5] filename

Correct Answer

B. grep [0-5] filename

Your Answer: **Correct ✓**

C. grep [-e0 -e1 -e2 -e3 -e4 -e5] filename

D. grep {0-5} filename

[Next Question](#)

1 2 3 4 5 6 7 8 9 10 11 12



Question 14.10

Which of the following `grep` commands can be used to print out all of the lines that do not match the specified pattern?

- A. `grep -C 3 [pattern] <filename>` Incorrect ✗
- B. `grep -v [pattern] <filename>` Your Answer: Correct ✓
- C. `grep [pattern] <filename>` Incorrect ✗
- D. `grep -w [pattern] <filename>` Incorrect ✗

[Next Question](#)

1 2 3 4 5 6 7 8 9 10 11 12



Question 14.11

Which command is used to print strings of printable characters found in files?

A. string

Incorrect ✗

B. strings

Your Answer: Correct ✓

C. chars

Incorrect ✗

D. words

Incorrect ✗

Next Question

1 2 3 4 5 6 7 8 9 10 11 12



Question 14.12

Which command is used to extract columns from a file to work on them later?

- A. tr
- B. tee
- C. wc
- D. cut

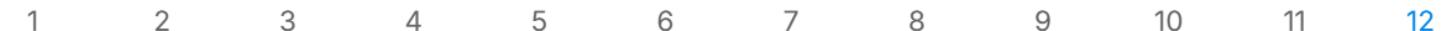
Incorrect ✗

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

See Results



1

2

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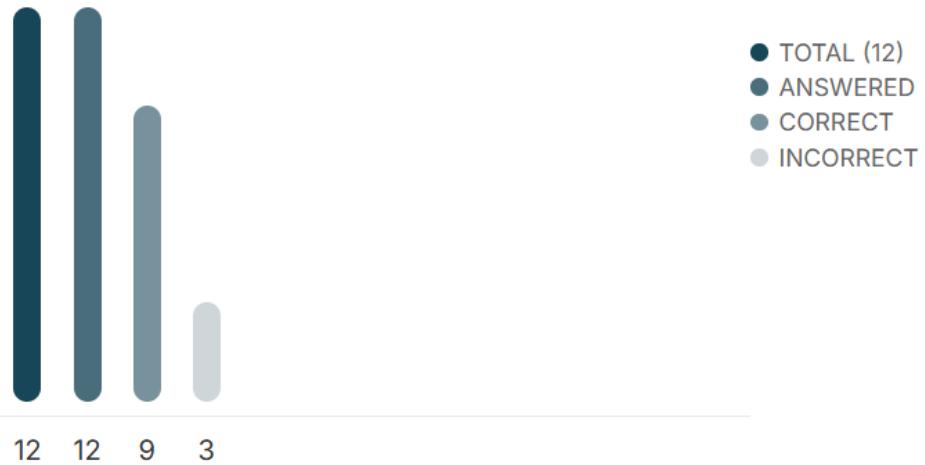
11

12



QUIZ RESULTS

YOU GOT 9 OUT OF 12 CORRECT: 75%



Retake Quiz

Review All Question Results

Continue to Next Lesson



ENG
US



21:12
06-02-2025

Question 15.1

Which command checks whether a host is online?

A. ping

Your Answer: Correct ✓

B. route

Incorrect ✗

C. traceroute

Incorrect ✗

D. netstat

Incorrect ✗

[Next Question](#)

1

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4

5



Question 15.2

Which of the following are graphical browsers used in Linux? **Select all answers that apply.**

Correct Answer

A. lynx

B. Mozilla Firefox

Your Answer: Correct ✓

C. Konqueror

Your Answer: Correct ✓

D. Google Chrome

Your Answer: Correct ✓

Next Question

1

2

3

4

5



Question 15.3

Which of the following are command line utilities that can be used to download web pages? **Select all answers that apply.**

Correct Answer

A. wget

Your Answer: Correct ✓

B. ssh

C. curl

Your Answer: Correct ✓

D. Epiphany

Next Question

1

2

3

4

5



Question 15.4

Why is FTP use no longer considered up to modern standards? **Select all answers that apply.**

Correct Answer

A. It transmits unencrypted passwords which can be intercepted

Your Answer: Correct ✓

B. It uses TCP/IP as a transmission protocol

C. It does not work with many operating systems

D. It is more than 40 years old and contains a lot of historical baggage

Your Answer: Correct ✓

Next Question

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Question 15.5

Which of the following are valid commands to use with `ssh`? **Select all answers that apply.**

Correct Answer

A. `ssh -l haskell eddie.com`

Your Answer: Correct ✓

B. `ssh root@eddie.com yum -y update`

Your Answer: Correct ✓

C. `ssh -l haskell@eddie.com whoami`

D. `ssh -l haskell eddie.com whoami`

Your Answer: Correct ✓

See Results

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QUIZ RESULTS

YOU GOT 5 OUT OF 5 CORRECT: 100%



- TOTAL (5)
- ANSWERED
- CORRECT
- INCORRECT

[Retake Quiz](#)

[Review All Question Results](#)

[Continue to Next Lesson](#)



ENG
US



21:19
06-02-2025

Question 16.1

Which command is used to make `some_script.sh` executable?

- A. `chmod a some_script.sh`
- B. `chmod +x some_script.sh`
- C. `./some_script.sh some_command`
- D. `cat ./somescript.sh`

Incorrect ✗

Your Answer: Correct ✓

Incorrect ✗

Incorrect ✗

[Next Question](#)



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Search



ENG
US



21:29
06-02-2025

Question 16.2

Which of the following commands is used to manually pass a text file, `script.sh`, to the shell interpreter?

A. bash script.sh

Your Answer: Correct ✓

B. script.sh bash

Incorrect ✗

C. ./script.sh

Incorrect ✗

D. .sh ./script

Incorrect ✗

[Next Question](#)



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Question 16.3

Which character is used to represent the continuation of a command over several lines?

A. /

Incorrect ✗

B. |

Incorrect ✗

C. \

Your Answer: Correct ✓

D. -

Incorrect ✗

Next Question

1 2 3 4 5 6 7 8 9 10 11 12



Question 16.4

What are the different types of commands that can be used in a bash shell script?

- A. Compiled applications Incorrect ✗
- B. Built-in bash commands Incorrect ✗
- C. Other scripts Incorrect ✗
- D. All of the above Your Answer: Correct ✓

[Next Question](#)



Question 16.5

If you want to substitute the result of an expression (say `echo /tmp`) to be the argument for `cd`, how will you represent them?

Select all answers that apply.

Correct Answer

A. `cd 'echo /tmp'`

Your Answer: Correct ✓

B. `cd (echo /tmp)`

C. `cd echo /tmp`

D. `cd $(echo /tmp)`

Your Answer: Correct ✓

Next Question

1 2 3 4 5 6 7 8 9 10 11 12



ENG
US



21:30
06-02-2025

Question 16.6

Which of the following parameters contains the name of the script being executed?

A. \$n

Incorrect ✗

B. var

Incorrect ✗

C. \$0

Your Answer: Correct ✓

D. \$*

Incorrect ✗

[Next Question](#)



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Question 16.7

What commands are used to write the output of the `free` command to `/tmp/free.out`? Select all answers that apply.

Correct Answer

A. `free >> /tmp/free.out`

Your Answer: Correct ✓

B. `free < /tmp/free.out`

C. `free > /tmp/free.out`

Your Answer: Correct ✓

D. `free <> /tmp/free.out`

Next Question

1 2 3 4 5 6 7 8 9 10 11 12



Search



ENG
US



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06-02-2025

Question 16.8

Which are possible correct commands to add two numbers? **Select all answers that apply.**

Correct Answer

A. expr 2 + 3

Your Answer: Correct ✓

B. echo expr 2 + 3

C. let x=(1 + 2); echo \$x

Correct Answer

D. echo (expr(2 + 3))

Next Question

1 2 3 4 5 6 7 8 9 10 11 12



Question 16.9

Which of the following statements can be used to compare two strings? **Select all answers that apply.**

Incorrect Answer

A. if [\$STR1 == \$STR2] ; then echo match found ; fi

Correct Answer

B. if [\$STR1 -eq \$STR2] ; then echo match found ; fi

C. if [[\$STR1 = \$STR2]] ; then echo match found ; fi

Correct Answer

D. All of the above

Your Answer: Incorrect X

Next Question

1 2 3 4 5 6 7 8 9 10 11 12

Question 16.10

Which of the following are correct conditional options that can be used to test for file attributes? **Select all answers that apply.**

Correct Answer

A. -e

Your Answer: Correct ✓

B. -z

C. -d

Your Answer: Correct ✓

D. -r

Your Answer: Correct ✓

Next Question

1 2 3 4 5 6 7 8 9 10 11 12



Question 16.11

The NOT operator is represented as ____.

A. !

Your Answer: Correct ✓

B. !=

Incorrect ✗

C. !!

Incorrect ✗

D. |>

Incorrect ✗

[Next Question](#)

1 2 3 4 5 6 7 8 9 10 11 12

Question 16.12

In an if statement, the ___ operator is used with a name as argument to check if it exists and is a directory.

A. -e

Incorrect ✗

B. -d

Your Answer: Correct ✓

C. -f

Incorrect ✗

D. -s

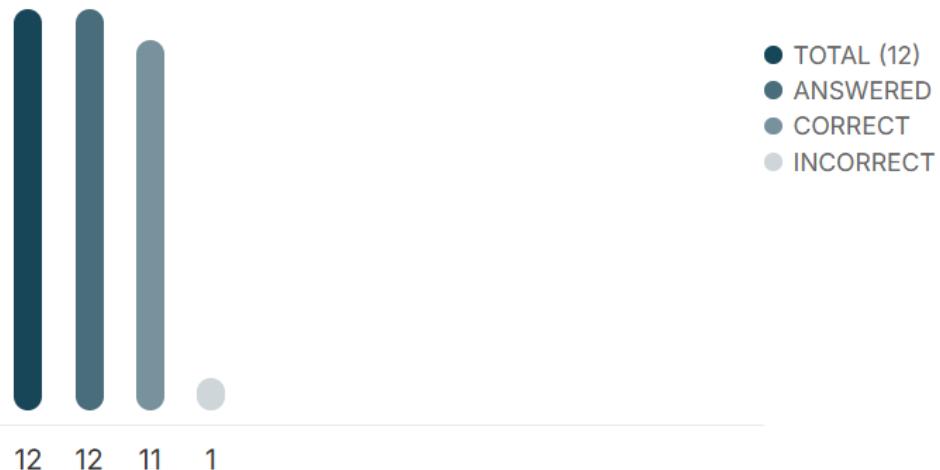
Incorrect ✗

See Results

1 2 3 4 5 6 7 8 9 10 11 12

QUIZ RESULTS

YOU GOT 11 OUT OF 12 CORRECT: 92%



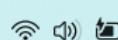
[Retake Quiz](#)

[Review All Question Results](#)

[Continue to Next Lesson](#)



ENG
US



21:36
06-02-2025

Question 17.1

Select the correct syntax to find the length of the string `abc`.

- A. `$#[abc]` Incorrect ×
- B. `${abc#}` Incorrect ×
- C. `$#{abc}` Incorrect ×
- D. `${#abc}` Your Answer: Correct ✓

[Next Question](#)

1 2 3 4 5 6 7 8 9



Question 17.2

Which of the following statements are true about the `case` statement? **Select all answers that apply.**

Incorrect Answer

- A. It enables you to match several values against one variable

Your Answer: Correct ✓

- B. It ensures that the condition is true for all cases

- C. It is a good alternative to nested multilevel if-then-else-fi statements

Your Answer: Correct ✓

- D. It indicates that any one of the conditions needs to be true, to perform the specified action

Your Answer: Incorrect ✗

[Next Question](#)



Question 17.3

Which of the following looping constructs produces an output different than the others?

- A. `j=7 ; while [$j -lt 10] ; do echo $j ; j=$((j+1)) ; done`
- B. `j=7 ; until [$j -eq 10] ; do echo $j ; j=$((j+1)) ; done`
- C. `for j in 7 8 9 ; do echo $j ; done`
- D. `j=7 ; for (j < 10) ; do echo $j ; j=$j+1 ; done`

Incorrect ✗

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Next Question



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Question 17.4

Which of the following is not a valid looping construct?

A. while

Incorrect ✗

B. until

Incorrect ✗

C. after

Your Answer: Correct ✓

D. for

Incorrect ✗

Next Question



Question 17.5

Select the command that appends the error output to a temporary log file.

- A. `$./script 2>> /tmp/scriptlogfile`
- B. `$./script 2> /tmp/scriptlogfile`
- C. `$./script 2<< /tmp/scriptlogfile`
- D. `$./script 2/>> /tmp/scriptlogfile`

Your Answer: Correct ✓

Incorrect ✗

Incorrect ✗

Incorrect ✗

[Next Question](#)



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Question 17.6

If we want to debug the 15th line of a script, we must provide the _____ command on 14th line and the _____ command on 16th line of the script.

A. ./script 2>> and set +x

Incorrect ✗

B. set -x and set +x

Your Answer: Correct ✓

C. ./script 2>> and set +x

Incorrect ✗

D. set +x and ./script 2>>

Incorrect ✗

Next Question

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Question 17.7

Which command is used to create a temporary directory?

A. mktemp -d

Your Answer: Correct ✓

B. mktemp -dir

Incorrect ✗

C. mkstemp -d

Incorrect ✗

D. mktempdir

Incorrect ✗

[Next Question](#)

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Question 17.8

The `/dev/null` file is also known as the _____ or black hole.

A. garbage

Incorrect ✗

B. trash

Incorrect ✗

C. bit bucket

Your Answer: Correct ✓

D. homedir

Incorrect ✗

[Next Question](#)

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Question 17.9

Which of the following Linux device nodes provide random numbers? **Select all answers that apply.**

Correct Answer

A. /dev/rnd

B. /dev/urandom

Your Answer: Correct ✓

C. /dev/urnd

D. /dev/random

Your Answer: Correct ✓

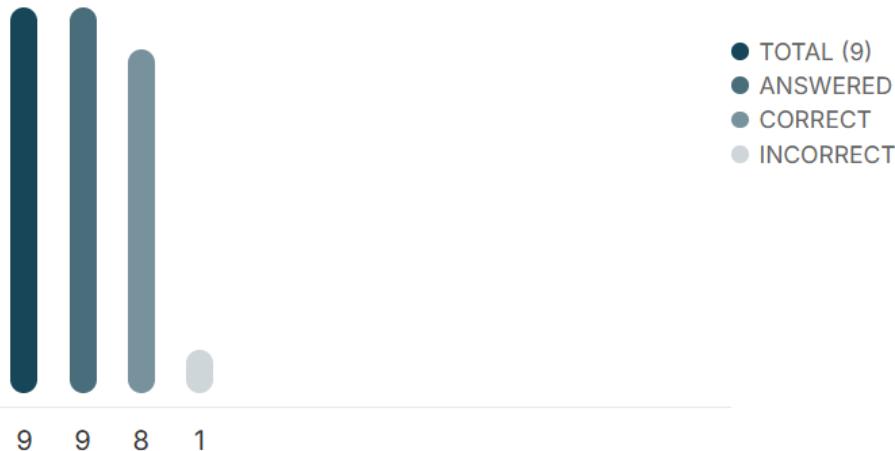
See Results

1 2 3 4 5 6 7 8 9



QUIZ RESULTS

YOU GOT 8 OUT OF 9 CORRECT: 89%



Retake Quiz

Review All Question Results

Continue to Next Lesson



Question 18.1

Which of the following can CUPS do? **Select all answers that apply.**

Correct Answer

A. Connect a local printer to a Linux system and share it over a network

Your Answer: Correct ✓

B. Connect a network printer to a Linux system

Your Answer: Correct ✓

C. Configure a network IP to the system

D. Configure a local printer on Windows machine

Next Question

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Question 18.2

How would you set the default printer to MFC9340CDW?

- A. lpoptions -d MFC9340CDW
- B. lp select:printer MFC9340CDW
- C. lpstat -d MFC9340CDW
- D. lprm MFC9340CDW

Your Answer: Correct ✓

Incorrect ✗

Incorrect ✗

Incorrect ✗

[Next Question](#)

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Question 18.3

How would you combine several documents into one output pdf file? **Select all answers that apply.**

Correct Answer

A. qpdf --empty --pages A.pdf B.pdf C.pdf -- ABC.pdf

Your Answer: Correct ✓

B. pdftk A.pdf B.pdf C.pdf cat output ABC.pdf

Your Answer: Correct ✓

C. catpdf A.pdf B.pdf C.pdf -o ABC.pdf

D. cat A.pdf B.pdf C.pdf > ABC.pdf

See Results

1

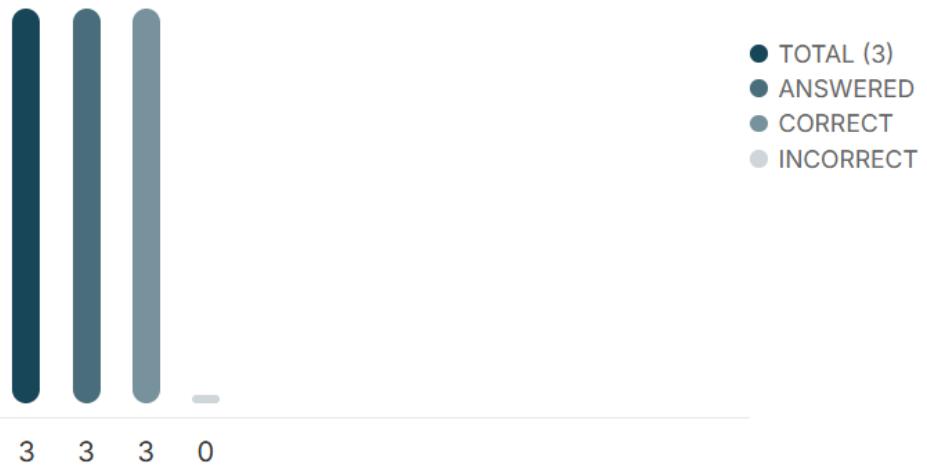
2

3



QUIZ RESULTS

YOU GOT 3 OUT OF 3 CORRECT: 100%



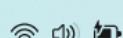
Retake Quiz

Review All Question Results

Continue to Next Lesson



ENG
US



23:10
06-02-2025

Question 19.1

Which of the following utilities can be used to identify how long a user account has remained inactive?

A. who

Incorrect ✗

B. last

Your Answer: Correct ✓

C. finger

Incorrect ✗

D. journalctl

Incorrect ✗

Next Question

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Question 19.2

What do we call the user account possessing supreme authority over the system?

A. administrator

Incorrect ✕

B. root

Your Answer: Correct ✓

C. main

Incorrect ✕

D. superior

Incorrect ✕

Next Question

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Question 19.3

Which of the following tasks does not require root privileges? **Select all answers that apply.**

Incorrect Answer

A. Accessing files that the user has proper permissions to access

Your Answer: Correct ✓

B. Accessing specific devices such as printers

Correct Answer

C. Managing software packages

D. Removing or modifying system files

Next Question



Question 19.4

Identify the log file in which the `sudo` commands and failures are logged in by default under the Debian family:

A. /var/log/auth.log

Your Answer: Correct ✓

B. /var/messages

Incorrect ✗

C. /var/log/USER

Incorrect ✗

D. /etc/sudoers

Incorrect ✗

[Next Question](#)

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Question 19.5

Name the Linux utility that ensures that passwords, if cracked, will only be usable for a limited amount of time.

A. chmod

Incorrect ✗

B. chage

Your Answer: Correct ✓

C. chown

Incorrect ✗

D. chroot

Incorrect ✗

Next Question



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Question 19.6

Which of the following mechanisms are used to automatically verify that passwords created or modified using the **passwd** utility are strong enough? **Select all answers that apply.**

Incorrect Answer

A. RAM

B. PAM

Your Answer: Correct ✓

C. John The Ripper

Correct Answer

D. Password Aging

Your Answer: Incorrect ✗

Next Question

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US



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06-02-2025

Question 19.7

Shadow passwords used on most modern distributions are stored under which file?

A. /etc/passwd

Incorrect ✗

B. /etc/shadow

Your Answer: Correct ✓

C. /etc/passwd/shadow

Incorrect ✗

D. /etc/shadow/password

Incorrect ✗

[Next Question](#)

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Question 19.8

What are the various ways in which security can be compromised if hardware is accessible? **Select all answers that apply.**

Correct Answer

A. Key logging

Your Answer: Correct ✓

B. Network sniffing

Your Answer: Correct ✓

C. Locking workstations and servers

D. Remounting and modifying disk content

Your Answer: Correct ✓

See Results

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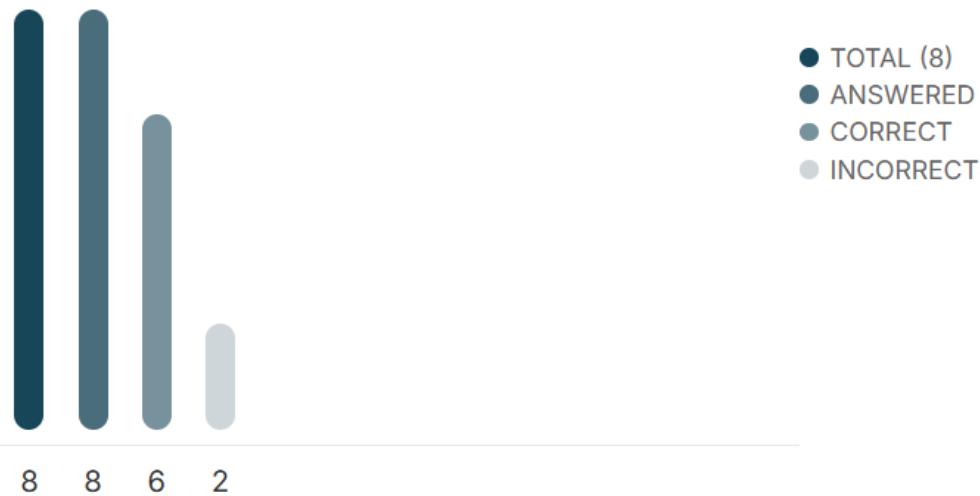
7

8



QUIZ RESULTS

YOU GOT 6 OUT OF 8 CORRECT: 75%



Retake Quiz

Review All Question Results

Continue to Next Lesson



ENG
US



23:17
06-02-2025

Practice Exam



Question 1

The kernel is defined as:

- A. The graphical user interface on top of the operating system
- B. The glue between the hardware and applications
- C. The software libraries needed to run the system
- D. All of the above

Incorrect ✗

Your Answer: Correct ✓

Incorrect ✗

Incorrect ✗

[Next Question](#)

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US



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Question 2

Which statement(s) is/are true about the Linux Boot Loader:

- A. It is executed before Linux Incorrect X
 - B. It gives us more control on how we boot the system Incorrect X
 - C. It can be used to select operating systems or kernels Incorrect X
 - D. All of the above Your Answer: Correct ✓

Your Answer: Correct ✓

Next Question

2 / 30



Practice Exam



Question 3

If the display manager is not started by default in the default runlevel, you can start the X-Window System by:

- A. Running the startx command from the command-line
- B. Running the xstart command from the command-line
- C. Running the runX command from the command-line
- D. Running the X –begin command from the command-line

Your Answer: Correct ✓

Incorrect ✗

Incorrect ✗

Incorrect ✗

[Next Question](#)

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Search



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US



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06-02-2025

Practice Exam



Question 4

To change your desktop background:

- A. Edit the desktop-background file Incorrect ✗
- B. Right-click on the desktop, select Change Desktop Background and select a wallpaper Your Answer: Correct ✓
- C. Double-click the desktop, select an available wallpaper and click on Save Incorrect ✗
- D. Try a different Linux distribution Incorrect ✗

[Next Question](#)

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^ ENG
US 23:43
06-02-2025

Question 5

For best coordination between multiple Linux systems, you should set the date and time:

- A. Manually as close as possible to each other
- B. Manually, but the various systems' time only needs to be synchronized within a few minutes
- C. Using the Network Time Protocol (NTP) so that machines are automatically very close to the same time
- D. Manually every time you boot the system

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Incorrect ✗

Next Question

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Question 6

Display settings allow you to change things like:

A. The date and time

Incorrect ✗

B. Network settings

Incorrect ✗

C. Screen resolution and multiple screens configuration

Your Answer: Correct ✓

D. Whether or not to use a graphical interface

Incorrect ✗

[Next Question](#)

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Question 7

One of the reasons you should learn text mode operations is:

- A. Your server may not have the overhead for a graphical user interface (GUI)

Your Answer: Correct ✓

- B. Linux does not include a graphical user interface (GUI)

Incorrect ✗

- C. A particular command may not be installed on your system

Incorrect ✗

- D. You are not competent if you can't do everything from a command line

Incorrect ✗

[Next Question](#)

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ENG
US
06-02-2025

Question 8

To move around the file system tree from one directory to another you can use:

- A. ls Incorrect X
 - B. cd Your Answer: Correct ✓
 - C. ps Incorrect X
 - D. mv Incorrect X

Next Question

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Question 9

To remove a directory named "some_dir" and all of its files, including sub-directories, in that directory, use:

- A. rmdir some_dir Incorrect ✗
- B. rm -f some_dir Incorrect ✗
- C. rm -rf some_dir Your Answer: Correct ✓
- D. kill some_dir Incorrect ✗

[Next Question](#)

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Question 10

The Linux manual pages can be read using:

A. manual

Incorrect ✗

B. man

Your Answer: Correct ✓

C. doc

Incorrect ✗

D. command /?

Incorrect ✗

[Next Question](#)

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Question 11

Many programs have built-in help; to access this, use:

- A. The -h or --help option

Your Answer: Correct ✓

- B. The --info option

Incorrect ✗

- C. The -m or --man option

Incorrect ✗

- D. The -doc option

Incorrect ✗

[Next Question](#)

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Question 12

Which of the following compares two files line by line and reports differences?

- A. cp
- B. rsync
- C. patch
- D. diff

Incorrect ✗

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Next Question

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Question 13

Which of the following is useful for creating a backup of a disk Master Boot Record (MBR)?

- A.** d2d

Incorrect X

- B.** dd

Your Answer: Correct ✓

- C.** bzip2

Incorrect ×

- D. file

Incorrect ×

[Next Question](#)

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Question 14

In order to execute a Linux command as the root user, what should you prefix it with?

- A. su (as in su ls /etc) Incorrect ✗
- B. time (as in time ls /etc) Incorrect ✗
- C. strace (as in strace ls /etc) Incorrect ✗
- D. sudo command (as in sudo ls /etc) Your Answer: Correct ✓

[Next Question](#)

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Question 15

The _____ environment variable lists the directories in which the shell looks for executable programs and scripts.

- A.** PATH
 - B.** HOME
 - C.** PS1
 - D.** SHELL

Your Answer: Correct ✓

Incorrect ×

Incorrect X

Incorrect ×

Next Question

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Question 16

Which command is used to set the Linux file permissions to make the file named "data", readable and writable by the owner and group owner of the file, but not accessible by any others?

A. chown 660 data

Incorrect ✗

B. chmod 660 data

Your Answer: Correct ✓

C. chgrp 670 data

Incorrect ✗

D. chmod 777 data

Incorrect ✗

[Next Question](#)

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Question 17

An easy-to-use text-based editor that utilizes on-screen prompts is:

- A. edit Incorrect ×
- B. cat Incorrect ×
- C. edln Incorrect ×
- D. nano Your Answer: Correct ✓

[Next Question](#)

17 / 30



Question 18

The command-mode key stroke _____ within vi will delete the characters from the cursor to the end of the word.

A. D

Incorrect ✕

B. dw

Your Answer: Correct ✓

C. d\$

Incorrect ✕

D. rl

Incorrect ✕

[Next Question](#)

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Question 19

Encrypted account passwords are found in the file _____ and are typically encrypted using the _____ algorithm.

- A. /etc/passwd; SHA-512
- B. /etc/password; SSH-512
- C. /etc/shadow; SHA-512
- D. /etc/shadow; HASH-256

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Incorrect ✗

[Next Question](#)

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Question 20

The root account:

- A. Has authority over the entire system
- B. Requires extreme caution when using because small mistakes can lead to disasters
- C. Should be used carefully; think before pressing the Enter key and run complex commands in a safe way, first, to ensure mistakes aren't made
- D. All of the above

Incorrect ✗

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Next Question

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Question 21

IP addresses are divided into two parts:

A. Address and octets

Incorrect ✗

B. TCP and IP

Incorrect ✗

C. Network and host

Your Answer: Correct ✓

D. Class A and B

Incorrect ✗

Next Question

21 / 30



Question 22

To confirm that a remote host is online and responding and to measure network latency between machines at the same time, one can use:

- A. nslookup Incorrect X
- B. ip addr show Incorrect X
- C. dig Incorrect X
- D. ping Your Answer: Correct ✓

Next Question

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Question 23

How would you use sed to replace all the occurrences of the word "tiger" with "lion" in the file named "data"?

A. sed 's/tiger/lion/' data

Incorrect ✗

B. sed 's/lion/tiger/' data

Incorrect ✗

C. sed -i 's/tiger/lion/g' data

Your Answer: Correct ✓

D. sed -i 'r/lion/tiger/' data

Incorrect ✗

[Next Question](#)

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ENG
US
06-02-2025

Question 24

The command `wc -l some_file` will print out the number of:

- A. lines in some_file
- B. words in some_file
- C. characters in some_file
- D. bytes in some_file

Your Answer: Correct ✓

Incorrect ✗

Incorrect ✗

Incorrect ✗

[Next Question](#)

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Question 25

Which of the following could you use to check the status of all your printers?

- A. status -a Incorrect ✗
- B. lp status -all Incorrect ✗
- C. lprm my-printers Incorrect ✗
- D. lpstat -a Your Answer: Correct ✓

[Next Question](#)

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Question 26

Why should we use shell scripts?

- A. They combine long, possibly repetitive commands into one simple command
- B. They allow you to create new commands and share these procedures among several users
- C. They automate tasks and reduce risk of errors
- D. All of the above

Incorrect ✗

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Next Question

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Question 27

Your shell script uses an "if" statement to see if the word "yes" was entered. This "if" statement looks like:

- A. if (\$RESPONSE = "yes") ; then
- B. if [RESPONSE = "yes") ; then
- C. if [\$RESPONSE == "yes"] ; then
- D. if (RESPONSE = "yes") ; then

Incorrect ✗

Incorrect ✗

Your Answer: Correct ✓

Incorrect ✗

Next Question

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Question 28

Your shell script needs to test to see if a directory, document, exists; a way to do this is:

- A. [-h document] Incorrect X

B. [document -gt 0] Incorrect X

C. [-d document] Your Answer: Correct ✓

D. [-s document] Incorrect X

Your Answer: Correct ✓

Incorrect ×

28 / 30



Question 29

Which of the following can be used to show which processes are using most of the CPU or memory resources on your system?

- A. most Incorrect X

B. big Incorrect X

C. lots Incorrect X

D. top Your Answer: Correct ✓

Your Answer: Correct ✓

Next Question

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Question 30

The `ssh` command provides a way to:

- A. Exit your login shell cleanly Incorrect ✗
- B. Silently copy files from one directory to another Incorrect ✗
- C. Connect securely to remote systems Your Answer: Correct ✓
- D. Check the process status of your shell Incorrect ✗

[See Results](#)

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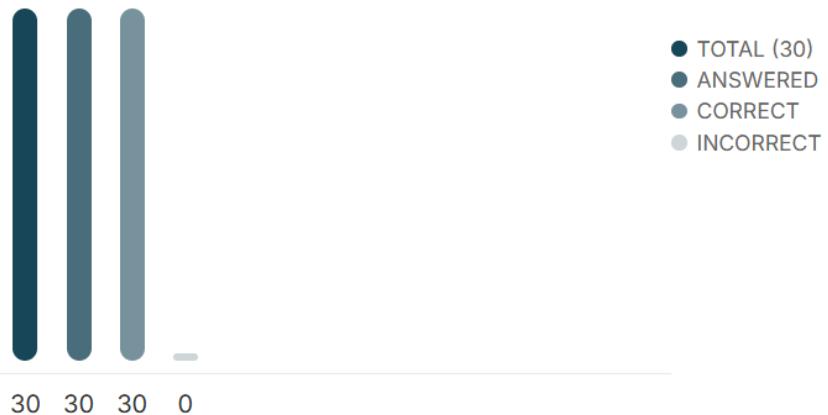
COURSE COMPLETION

Practice Exam



QUIZ RESULTS

YOU GOT 30 OUT OF 30 CORRECT: 100%



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LESSONS

18. PRINTING

- ▶ Introduction ✓
- ▶ Configuration ✓
- ▶ Printing Operations ✓
- ▶ Manipulating Postscript and PDF Files ✓
- ▶ Knowledge Check ✓
- ▶ Summary ✓

19. LOCAL SECURITY PRINCIPLES

- ▶ Introduction ✓
- ▶ Understanding Linux Security ✓
- ▶ When Are root Privileges Required? ✓
- ▶ sudo, Process Isolation, Limiting Hardware Access and Keeping ✓

RESOURCES

NOTES

SUPPORT SIGN OUT

COURSE COMPLETION
Course Completion



QUIZ RESULTS

YOU GOT 1 OUT OF 1 CORRECT: 100%
YOU PASSED!



- TOTAL (1)
- ANSWERED
- CORRECT
- INCORRECT

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If you took this course on the Linux Foundation training platform, your badge has been issued automatically upon course completion.
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100% REQUIRED FOR PASSING GRADE

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The Linux Foundation hereby certifies that

Twinkle Mishra

has successfully completed

Introduction to Linux (LFS101)

A handwritten signature in black ink, appearing to read "Timothy Serewicz".

TIMOTHY SEREWICZ,
TRAINING PROGRAM DIRECTOR

February 06, 2025

DATE OF COMPLETION

LF-w0pf2bsym8

CERTIFICATE ID NUMBER

| | |
|-----------------|--|
| | Conclusion: Throughout the training, I obtained a thorough understanding of Linux and how it operates. I discovered that it is a powerful, multi-user operating system inspired by UNIX, with several distributions like Red Hat, SUSE, and Debian. I gained hands-on expertise with the command line and desktop environments such as GNOME, handling files, processes, and packages. Networking, automation, and system administration became clearer, and I now grasp important security measures such as user permissions, sudo, and encryption. Overall, this course gave me the confidence to successfully navigate and maintain Linux systems. |
| Grading Rubrics | <ul style="list-style-type: none"> • If you do NOT follow your reporting guidelines, you will be degraded • If you do NOT use this template or delete any part of it or use any other template, you will be degraded. • If you do NOT follow the file naming convention, you will be degraded. • If you do NOT submit your file in only 1 PDF and submit multiple files; you will be degraded. • If you do NOT show your account real name; you will be degraded. • If you do NOT show your machine desktop background (date & time), you will be degraded. • If you do NOT show clear screenshots s instructed, you will be degraded • If you do NOT write (in your own words) your learning experience for the activity practices, you will be degraded. |
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