



Student Engagement & Mentoring in Technology

Assignments

Challenges

<https://wordwall.net/play/88447/815/574>

Quiz

<https://wordwall.net/play/88447/907/968>

Matching

<https://wordwall.net/play/88448/202/417>

Anagrams



Student Engagement & Mentoring in Technology

Chapter 21 Review Questions

Multiple Choice (Choose the best answer):

1. What is the main purpose of a device driver?
 - A. To update the operating system
 - B. To connect multiple applications
 - C. To allow the OS to communicate with hardware
 - D. To protect the system from malware
2. Which of the following is NOT a type of hardware that typically requires a driver?
 - A. Monitor
 - B. Keyboard
 - C. Web browser
 - D. Printer
3. What mode must code be running in to interact directly with hardware?
 - A. User mode
 - B. GUI mode
 - C. Kernel mode
 - D. Command mode
4. Which OS interface uses visual elements like icons and windows for user interaction?
 - A. Kernel interface
 - B. Command Line Interface (CLI)
 - C. Graphical User Interface (GUI)
 - D. Text-Based UI
5. What is a key advantage of using plug-and-play technology?
 - A. It speeds up internet connections
 - B. It requires manual driver installation
 - C. It allows hardware to work without much configuration
 - D. It disables unused drivers
6. Which of the following is a command-line tool built into Windows?
 - A. Terminal
 - B. Finder
 - C. Command Prompt
 - D. Automator
7. Which utility on macOS is used for task automation?
 - A. Task Scheduler
 - B. PowerShell



Student Engagement & Mentoring in Technology

- C. Terminal
 - D. Automator
 - 8. PowerShell is:
 - A. A basic text editor
 - B. A task manager
 - C. A GUI-based interface
 - D. A command-line tool with scripting capabilities
 - 9. What is required to ensure a driver functions correctly with a specific device?
 - A. The latest antivirus
 - B. A matching device and OS version
 - C. Console access
 - D. Cloud backup
 - 10. Which of the following best describes a utility in an operating system?
 - A. A virus scanner
 - B. A hardware component
 - C. A built-in tool that performs specific system functions
 - D. A video editing program
-

True or False:

- 11. Drivers are optional for devices like printers and cameras.
 - 12. The Command Line Interface (CLI) is more commonly used by general users than the GUI.
 - 13. Plug-and-play allows hardware to be used with minimal setup.
 - 14. Utilities help perform maintenance and management tasks in the operating system.
 - 15. PowerShell and Command Prompt offer the same capabilities without any differences.
-

Short Answer:

- 16. Why is it important to use the correct driver for your specific operating system version?
- 17. Name two utilities that are used to schedule automated tasks (one for Windows and one for macOS).
- 18. What are two key differences between a GUI and a CLI?
- 19. Why might system administrators prefer using a command line interface over a GUI?
- 20. What role does a driver play when installing new hardware on your computer?

SEMtech!

Student Engagement & Mentoring in Technology