

General Understanding (DA RICONSEGNARE ALLA FINE DELL'ORA)

1. What is an operating system and why is it essential for a computer to function?
2. Describe at least three basic tasks that an operating system performs. Why are these tasks important?

Comparative Thinking

3. Compare and contrast single-user, single-task OS with single-user, multi-task OS. Provide examples where each might be used.
4. How do real-time operating systems differ from general-purpose operating systems like Windows or macOS?

User Interfaces

5. Explain the differences between command line, menu, and graphical user interfaces. Which do you prefer and why?
6. Touchscreen graphical interfaces are widely used today. What are some of the advantages and challenges of using them in everyday devices?

Application & Compatibility

7. Why does the choice of operating system affect what software you can run on your computer? Provide examples of software tied to specific OS platforms.
8. What are the implications of using an open-source operating system like Linux compared to a commercial one like Windows?

Mobile & Desktop OS

9. How has Android's connection to Linux influenced its development and adoption in mobile devices?
10. Discuss how the evolution of Windows (from Windows 1.0 to Windows 11) reflects changes in user needs and technology.

macOS Specific

11. What are the key differences between the early versions of Mac OS and macOS (Mac OS X)?
 12. How does Apple's strategy of building macOS specifically for Apple hardware impact user experience and system performance?
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