



prep week: operating systems

The following exercise contains the following subjects:

- intro to OS

Instructions

answer:

1. What is an operating system, and why is it essential for a computer?
2. Name some popular operating systems for personal computers.
3. How does an operating system manage hardware resources like CPU and memory?
4. Explain the concept of a user interface in an operating system
5. What are the main components of the Windows operating system?
6. What are the distinctive features of the macOS operating system?
7. What is Linux, and how does it differ from Windows and macOS?
8. Name some popular Linux distributions (distros).
9. How do you navigate the Linux file system using terminal commands?
10. What is the purpose of the package manager in Linux?
11. Explain the concept of file extensions and their importance.
12. Explain the concept of multitasking in an operating system.