

Quiz

Feb. 27, 2024

Which of the following is/are true about operating systems?

- ☐ A Berkeley Systems Distribution is a type of Linux OS
- ☒ B Windows 1 was a graphic user interface on MS-DOS
- ☒ C Functionalities of an OS include virtualization, concurrency, and persistence.
- ☐ D John von Neumann invented the first operating system.

提交

Which of the following is/are true about processes, memory and storage?

- ☒ A A file system is a subsystem of an operating system.
- ☐ B CPUs may load data and instructions directly from a file that is stored on a hard drive.
- ☐ C Process executes instructions sequentially, so it cannot have loops or branches.
- ☐ D A process is a program in execution, so when a process is paused, it becomes a program.

提交

Which of the following is/are true about dual-mode operation?

- ☐ A Interrupts are asynchronous, so the process that is interrupted must have triggered this interrupt
- ☒ B A process runs in the user mode and the kernel runs in the kernel mode.
- ☐ C If the CPU hardware does not support dual mode operation, the OS can enable dual mode by itself
- ☒ D Three types of mode transitions: system calls, interrupts, and exceptions.

提交