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**Question 0:** What kinds of devices require an operating system?

- Computers, Cars, Phones, iPads, ATMs, Smart Watches, Smart Home Systems and Connected Devices

**Question 1:** What are other hardware resources the operating system must manage?

- Connected Input/Output Devices, Power Management, Fans and Temperature Management Devices

**Question 2:** Provide two or three additional examples of a hardware interrupt.

- Mouse Interrupt, Optical Sensor Interrupt

**Question 3:** Should a process (a running program) in a computer system be able to access the memory contents of another process? Why or why not?

- Absolutely not, these processes are supposed to be independent of each other in order to actually run safely. If one program is changing the value in some place in memory and another program is trying to access it, then the program will get the wrong value.