

1. Mode bit = 0 indicates:

**Kernel mode**

2. What is the interface between the virtual machine and the host machine called?

**Hypervisor**

3. Fault and abort classes of exceptions are potentially recoverable forms of exceptions.

**False**

4. The process of indexing into the trap table to jump to the trap handler routine is called *context switching*.

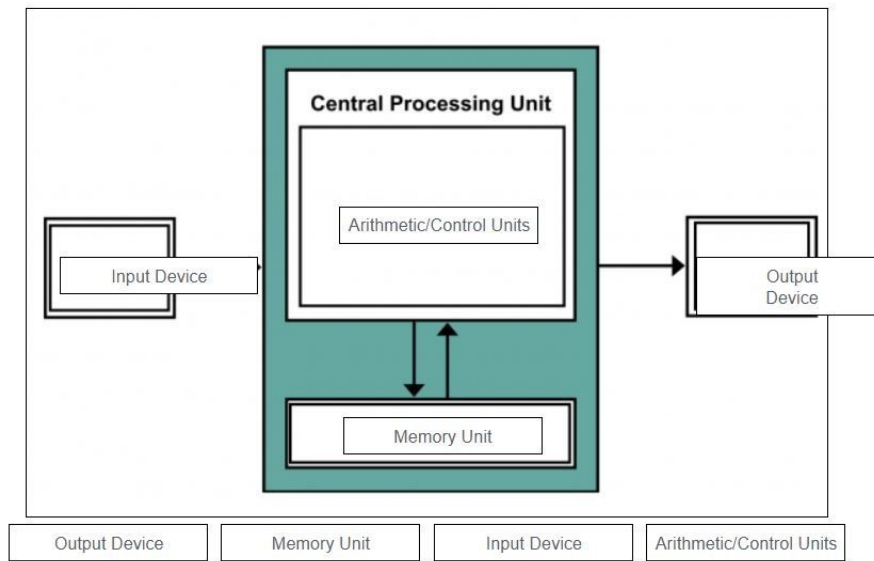
**False**

5. Which of the following is NOT the responsibility of the OS?

**Compiling a program**

6. The \_\_\_\_\_ instruction interrupts the OS to signal to switch into \_\_\_\_\_ mode, which is needed for a system call.

**Trap; kernel**



7.

8. The primary boot-loader locates the kernel and loads it into main memory.

**False**

9. What is the difference between Blocking vs non-blocking I/O system calls?

**Blocking I/O system calls put processes on a wait queue until I/O completes, which non-blocking I/O system calls return immediately.**

**Blocking I/O system calls are synchronous, while non-blocking I/O system calls are asynchronous.**

10. Which of the following is NOT a method to pass parameters to the OS using system calls?

**Lists**