

1. In a process control block which of the following is used to retrieve the information on the next instruction to be executed?

Program counter

2. The kernel identifies a driver with a _____ .

Major number

3. To start an I/O operation, device driver loads the appropriate registers within the _____ .

Device controller

4. Who initiates a DMA transfer?

I/O devices

5. Which of the following statements is correct:

A mouse is more likely to be a polling I/O device while a hard drive is more likely to be an interrupt-driven I/O device.

6. Which of the following is False?

If DMA hardware is present for I/O transfers, it will always invoke itself to do any I/O transfer.

7. What is a device Minor number?

A number to differentiate all the devices belonging to a specific device driver.

8. A process's _____ stores dynamically allocated variables, while the _____ is used to store local variables. For example, allocating memory with the *malloc()* function will place the variable on the _____ .

Heap; stack; heap

9. Which of the following is an advantage of LKMs.

Functionality may be added or removed from the kernel without a reboot.

10. A keyboard is a _____ while a printer is a _____ .

Character device, block device