

# CS 314 Operating Systems, Spring 2024

## Quiz #10 on April 11, 2024

### List of the Possible Questions

- #1: What does “MBR” stand for? What does MBR contain?
- #2: Why is physically damaging “the MBR sector (sector 0, track0, surface 0, and disc 0)” of a disk fatal?
- #3: The master boot record consists of the boot strap loader (program codes) and the partition table. Which one can be “repaired” if it is damaged (not physically “damaged”)? Why is it possible to be “repaired (when it is damaged)?
- #4: Why are “boot sector viruses” are fatal to systems?
- #5: What is “partition table” of a disk drive? What information does the partition table contain? What will happen if the partition table fails (corrupt)?
- #6: What is “the boot block” in a disk partition? What information does the boot block contain?
- #7: If your PC is stuck when you see the following screen, where did the problem happen (select one from the following options)?

When your PC is using:

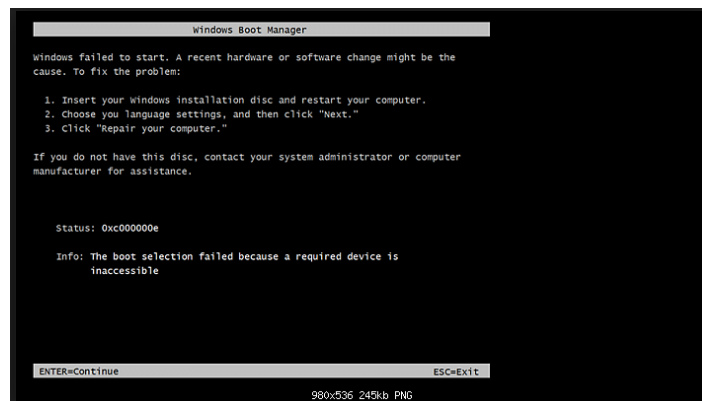
- (a) BIOS ROM
- (b) The boot-strap loader in MBR
- (c) The partition table in MBR
- (d) IPL (the OS loader)
- (e) Somewhere not in the above



#8: If your PC is stuck when you see the following screen, where did the problem happen (select one from the following options)?

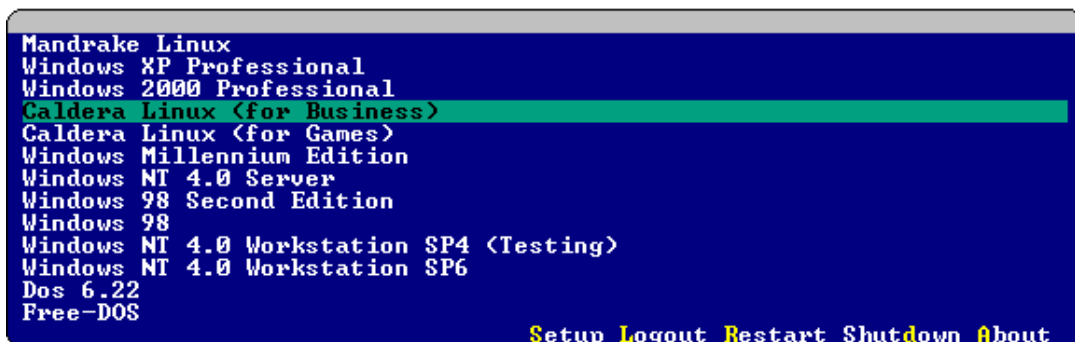
When your PC is using:

- (a) BIOS ROM
- (b) The boot-strap loader in MBR
- (c) The partition table in MBR
- (d) IPL (the OS loader)
- (e) The target OS
- (f) Somewhere not in the above



#9: The following is a snapshot of “multi-boot” disk utility tool. Where should “multi-boot tool” be installed?

- (a) BIOS ROM
- (b) The boot-strap loader in MBR
- (c) The partition table in MBR
- (d) IPL (the OS loader)
- (e) The target OS
- (f) Somewhere not in the above



#10: If your PC is stuck when you see the following screen, where did the problem happen (select one from the following options)?

When your PC is using:

- (a) BIOS ROM
- (b) The boot-strap loader in MBR
- (c) The partition table in MBR
- (d) IPL (the OS loader)
- (e) The target OS
- (f) Somewhere not in the above

