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CptS 460

                      CS460 LAB#1 QUESTIONS

1. On Intel x86 based PCs,druing booting, what does BIOS
do? **Loads the first sector into memory and designates cpu
as the boot processor**
   How many sectors does BIOS load from the boot device?
One
   Where in memory does BIOS load the booter?
0x0000:0x7C00

2. BIOS loads only 512 bytes of a booter into memory, which
is only the
   beginning part of the booter. How does the booter load
the remaining part of
   the booter into memory?
**It finds the bootable image in root and loads it into
memory**
3. Assume a COMPLETE booter is loaded at the segment
0x9000. WHY do we have to
   set the CPU's sgement registers CS,DS,SS,ES to 0x9000?
**The booter is one segment memory model so all the addresses
are referencing the beginning of the segment**
4. How do you find the file /boot/mtx?
Go to root, find boot fir, get into ink block, look for mtx

5. How to load the (disk) blocks of /boot/mtx to the
segment 0x1000? **Load block into Ex1000, increment 1 kilo,
load more blocks**