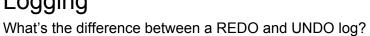
CSE 451: Section 8 Handout 11/14/2019
Logging Describe a scenario which can leave the file system corrupted (assume no logging).
How do you add the log region to the file system? (hint: mkfs.c)
Let's call the metadata for the log region the Log Header. What type of metadata needs to be stored in the Log Header? How do we synchronize the Log Header?

When should we acquire and release the log lock?

What's the point of the commit flag for the log?

CSE 451: Section 8 Handout 11/14/2019 Logging What are some of the trade-offs between them?



	ollowing cases, describe what should happen on reboot, and how the state of the file vill look to the user after reboot:
- T	he system crashes during writes to the log region.
- T	he system crashes after the log has been written to disk and is committed.
	he system crashes after the log has been written to disk, but the commit bit has not een set.
Α	are there any other cases to consider?
ash.	the user makes a write system call that adds 1 block to a file and the system does no

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Assume REDO logging.

On a successful write, how many times was bwrite called?