

# Problem Set 20

CS 411

Due at the beginning of class on the first class day of the following week.

Sections 15.1–8

1. Why have more than one file system type on a given system? (Think in terms of a person with a Windows PC and a person with a Mac using a thumb drive to exchange a file.)
2. Given a remote file access utility such as `ftp`, why were remote file systems such as NFS created?
3. Given a mounted file system with write operations underway, and a system crash or power loss, what must be done before the file system is remounted if:
  - (a) The file system is not log-structured?
  - (b) The file system is log-structured?