CST 334: Operating Systems

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# Reading: File systems implementation

**Instructions.** Read OSTEP Chapter 40, and answer the following questions by editing [file-impl.txt](https://drive.google.com/file/d/19_v9DDRYoOjv0cdtuTGlWA72m6i44zii/view?usp=sharing).

1. How many blocks in the very simple file system?
2. In the very simple file system, where are the contents of a file stored?
   1. inode table
   2. data bitmap
   3. data region
3. In vsfs, which iblock contains the inode with inode number 45? (Use all the assumptions used in the text, such as that inodes are 256 bytes.
4. In vsfs, what is the byte address of the inode with inode number 45?
5. (T/F) A benefit of not immediately writing to disk when an application performs a file write operation is that I/O scheduling can be more effective.

**Submitting**: Submit your edits file-impl.txt file on iLearn.

**Grading:** Each question is worth 3 points.