

CS3210 Tutorial 9: fsck

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Administrivia

- Lab 4 Part C due Mar 31
- Quiz #2. Lab3-5, Ch 3-6, Apr 6
- Demo days Apr 13, 18, 20
- Final Project due Apr 21

Tutorial Overview

Lecture:

- File system refresher
- README walkthrough
- Quick demo (fsck, install fs.img to xv6 and check)

Implementation:

- Part 1: Add a new file (dirent, inode, data blocks)
 - `fsck.c`: complete `add_dirent()` and other related functions
- Part 2: Check and repair filesystem reported errors
 - `fsck.c`: complete `fsck()` and other related functions

Tutorial

- Get a clean xv6 code and then get the fsck code from cs3210-pub

```
$ git clone https://github.com/mit-pdos/xv6-public.git  
$ git clone git@github.gatech.edu:cs3210-spring2017/cs3210-pub.git  
$ cd cs3210-pub/2017-spring/tut/tut7
```