CSCI 2132
Software Development

Lecture 31:

File Manipulation

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Previous Lecture

- Linked list example: student database (finished)
- Merge Sort with Linked List, example.

Merge Sort with Linked List

- finished
- recursive version of the merge function

Git and GitLab

- Comparison to SVN
- SVN centralized, Git distributed
- SVN process: checkout, add, commit, update
- Git process: clone, add, commit, push, pull
- SVN per directory checkout, Git no
- GitLab and Github

File Manipulation

- Files are important in Unix and C

- Concept of *stream*: can be associated with various devices

- Three standard streams: `stdin`, `stdout`, and `stderr`

- C abstracts file operation to operations on streams of bytes

- Notions of input and output streams