CS286: Lecture Note (Lecture #17, October 23, 2023)

The agenda for CS286 lecture #17 (October 23, 2023).

1. **Announcements**
   - Next quiz (Quiz #8): has been postponed to October 25th (Wednesday)

2. **Program code optimizations**
   - Static and dynamic code optimizations (continued)
   - Instruction scheduling (code optimizations) by compilers
   - Delayed-branch
   - Loop-unrolling

3. **Exercises (October 18th)**
   - EXERCISE #1 and #2

4. **Memory subsystem**
   - Introduction
   - Memory hierarchy
   - Memory fragmentation (internal fragmentation)
   - Memory compaction
   - Memory paging and virtual memory
   - Memory fault

5. **Quiz #9 discussions**
   - The questions on the Quiz #9 question lists