Multithreading programming

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Lecture 09

B3B36PRG – C Programming Language

Overview of the Lecture

■ Part 1 – Multithreading Programming

Part I

Part 1 – Multithreading Programming

Topics Discussed

Summary of the Lecture

Topics Discussed

- Multithreading programming
  - Terminology, concepts, and motivations for multithreading programming
  - Models of multi-threaded applications
  - Synchronization mechanisms
  - POSIX and C11 thread libraries

    Example of an application

- Comments on debugging and multi-thread issues with the race condition and deadlock

- Next: ANSI C, C99, C11 – differences and extensions