

COMPUTER PROGRAMMING POSSIBLE TOPICS FOR MIDTERM

13TH WEEK LECTURE

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Outline

- Possible Topics for Midterm
- Q&A

Possible Topics for Midterm

- Namespaces
- Imperative Language (vs. Declarative Lang.)
- Object-Oriented Programming
 - Design Principles
- Separating Interface from Implementation
- C vs C++
 - Static
- Function Definitions

Possible Topics for Midterm

Cont'd

- Function Prototypes vs Signatures
- C++ Data Types
- Storage Classes and Scope Rules
- C++ Function Call Stack and Activation Records
- Inline Functions
- References
- Default Arguments
- Function Overloading and Templates
- Recursion

Possible Topics for Midterm

Cont'd

- C++ Pointers
- Constructors and Destructors
 - Copy Constructors
- const Members
- Member_INITIALIZER
- friend Functions and Classes
- Static Members
- Inheritance
- Polymorphism
 - Virtual
- Exception Handling