- Possible Topics
Possible Topics about C++

- Namespaces
- Imperative Language (vs. Declarative Lang.)
- Object-Oriented Programming Design Principles
- Separating Interface from Implementation
- Storage Classes and Scope Rules
- Function Overloading and Templates
- C++ Pointers
- friend Functions and Classes
- Inheritance
- Exception Handling
Possible Topics about Java

- Differences between Java and C/C++
- Java Program Execution
- Member Access Control
- Static Modifier
- Locating Classes
- Classes, Objects, and Packages
- Methods & Operators
  - Method Overloading
  - Initialization Order
- Java I/O Systems
Possible Topics about Java (Cont’d)

• Composition vs Inheritance
• Inheritance
  – Initialization
• Final
• Polymorphism
  – Upcasting
  – Downcasting
• Interface
• Exception Handling
• String, Formatter, and Scanner
• Container and Java Tools