

OOAD Overview for Managers Course Outline

1. Overview of OOAD

- Classes
- Objects
- Instance Variables
- Instance Methods
- Members
- Static versus Instance Members
- Constructors
- The Concept of Encapsulation
- Access Modifiers and Encapsulation
- Data and Method Encapsulation
- Uses of Encapsulation
- The Concept of Inheritance
- Different Approaches to Inheritance
- Possible Problems with Inheritance
- Constructors and Inheritance
- Method Overloading and Overriding
- Multiple versus Restricted Inheritance
- The Concept of Abstractness
- Abstract Classes
- Abstract Methods
- Uses of Abstraction
- Interfaces
- The Concept of Polymorphism
- Polymorphism
- Uses of Polymorphism