

ET-580 - Polymorphism & Virtual Functions - Outline

Reading: Absolute C++ Chapter 15: Polymorphism & Virtual Functions

Topics

Pointers, References to Derived Classes
Early vs. Late Binding
Virtual Functions, Overriding and Covariant Functions
Importance of Virtual Destructors
Implementing Polymorphism

Pure Virtual Functions
Abstract Classes

Solving the Slicing Problem
Dynamic Casting of Derived Objects

Terminology

Abstract Classes
Interfaces
Early/Static Binding
Late/Dynamic Binding
Overriding
Polymorphism