

ET-580 - Operator Overloading - Outline

Reading: Absolute C++ Chapter 8: Operator Overloading, Friends & References

Topics

Operator Overloading as Non-Member Functions
Operator Overloading as Member Functions
Operator Overloading as Friend Functions
Return by Constant Value
Friend Functions
R-Value vs. L-Values
References

Terminology

Operators (Unary, Binary)
Operand

Syntactic Sugar
Anonymous/Temporary objects

Friend Function
Automatic Type Conversion

Extra

Recommended overload methods:
Unary, subscript, assignment, shortcut operators as member overloads.
Most binary operators as friend overloads.
Stream operators as friend overloads.