Requeriments

Introduction

Types of paradigms

Type of Data

Variable types and special variables

Access modifiers

Access Modifiers Table

Classes and Objects

Function Block

Function Block Access Modifiers

Function Block Declaration variables

Constructor and Destructor

Method

Method access modifiers

Method Declaration of variables

Method return variable types

Object Property

Inheritance Function Block

Inheritance Structure

Inheritance Interface

THIS pointer

SUPER pointer

Interface

pointer and reference

Keyword Abstract

Abstract FB vs Interface

Fluent Interface

Interface vs Inheritance

Further operators

ExST - Extended Structured Text

4 Pillars

Abstraction

Encapsulation

Inheritance

Polymorphism

SOLID

SRP - Single Responsibility Principle

OCP - Open/Closed Principle

LSP - Liskov Substitution Principle

ISP - Interface Segregation Principle

DIP - Dependency Inversion Principle

UML

Class UML

Relations

StateChart UML

Types of Design for PLC programming

Design patterns

Strategy Pattern

The Abstract Factory Pattern

Libraries

Links OOP

TDD - Test Drive Development

Units Test