

Barbara Liskov Mark Day Argus Reference Manual

[#Barbara Liskov](#) [#Mark Day](#) [#Argus programming language](#) [#reference manual](#) [#distributed systems](#)

Explore the comprehensive Argus Reference Manual, a foundational document co-authored by prominent computer scientists Barbara Liskov and Mark Day. This manual provides in-depth technical specifications and guidance for the Argus programming language, a pioneering system designed for building robust and fault-tolerant distributed applications.

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How Data Abstraction changed Computing forever | Barbara Liskov | TEDxMIT - How Data Abstraction changed Computing forever | Barbara Liskov | TEDxMIT by TEDx Talks 26,374 views 4 years ago 21 minutes - Object oriented programming revolutionized the world of computing forever. **Barbara Liskov**,, Turing Award winner and one of the ...

Introduction

Fortran

John McCarthy

The Software Crisis

Programming Methodology

Module

Modularity

Methodology

Moving to MIT

Data types

Working with Steve

Designing a programming language

ARPANET

Java

Turing Award

Bloomberg's Distinguished Engineers Speaker Series: Dr. Barbara Liskov - Bloomberg's Distinguished Engineers Speaker Series: Dr. Barbara Liskov by Inside Bloomberg 830 views 7 years ago 2 minutes, 47 seconds - Bloomberg's Distinguished Engineers Speaker Series recently hosted Dr. **Barbara Liskov**,, Institute Professor at the Massachusetts ...

Barbara Liskov, 2008 ACM A.M. Turing Award Lecture "The Power of Abstraction" - Barbara Liskov, 2008 ACM A.M. Turing Award Lecture "The Power of Abstraction" by Association for Computing Machinery (ACM) 46,898 views 11 years ago 1 hour, 18 minutes - Author: **Barbara Liskov**, Presented as a Keynote during OOPSLA'09, 24th ACM SIGPLAN conference on Object oriented ...

Introduction
Program Methodology
Revisiting the Past
Dijkstra
Topdown Design
modularity
Steve Zyliss
Extensible Languages
Protection Programming Languages
Global Variable Considered Harmful
Clue
Why a programming language
Language design
Concurrency
Heapbased language
Clusters
Polymorphism
Exception Handling
Iterators
Collection Objects
Iterators
A little work I did
I wrote a paper
Lascaux substitution principle
The world has changed
Software crisis
New abstraction mechanisms
New paradigm
Cloud computing
IBM research
Exceptions
Handling Exceptions
Thank you
John Reynolds
The Power of Abstraction - The Power of Abstraction by NC State 35,325 views 13 years ago 1 hour, 16 minutes - Barbara Liskov,, Electrical Engineering and Computer Science, MIT, MA This lecture has been videocast from the Computer ...
Outline
Data Abstraction Prehistory
Programming Methodology
Meeting in Savannah
The Landscape
Abstract Data Types
Why a Programming Language?
Language Design
CLU Mechanisms
Clusters
Polymorphism
Exception Handling
Iterators
After CLU
Implementation Inheritance
Type hierarchy
The Liskov Substitution Principle (LSP)
Challenges
Barbara Liskov, 2008 ACM Turing Award Recipient - Barbara Liskov, 2008 ACM Turing Award Recipient by Association for Computing Machinery (ACM) 18,191 views 7 years ago 1 hour, 52 minutes - Discusses her life and research work and the people and circumstances that influenced them. More information: ...

Live: Barbara Liskov at The Berkeley Forum - Live: Barbara Liskov at The Berkeley Forum by The Berkeley Forum 120 views Streamed 2 years ago 51 minutes - Barbara Liskov, is an American computer scientist and Institute Professor at MIT. Liskov was one of the first women to obtain a ...
Land Acknowledgement

Barbara Liskov

My Background

Switch to Software Systems

The Software Crisis

Programming Methodology

Modularity in 1970

Move to MIT 1972

Partitions as Data Types

Abstract Data Types

CLU Mechanisms

After CLU

From CLU to Object-Oriented Programming

Type Hierarchy

Behavioral Subtyping

Event Recognitions

Thank You for Coming!

THE BERKELEY FORUM

Argus Enterprise Overview - Argus Enterprise Overview by The Commercial Real Estate Contrarian 1,343 views 1 year ago 23 minutes - Have you heard of **Argus**, Enterprise but not sure exactly what it's for or if you need it? Confused about exactly how those market ...

How To Create Contracts Automatically With Google Docs And Make - Automated CRM Pt. 5 - How To Create Contracts Automatically With Google Docs And Make - Automated CRM Pt. 5 by Borja Pallasá 91 views 2 days ago 7 minutes, 23 seconds - Learn how to automate your contract creation process using Google Docs, Make, and Airtable. This video is a key component of ...

Intro

Overview

Airtable

Webhook & Make Scenario

Live Example

Buy This Template

The Art of Abstraction - Computerphile - The Art of Abstraction - Computerphile by Computerphile 262,393 views 10 years ago 5 minutes, 22 seconds - Abstraction is at the heart of everything to do with computing. James Clewett takes us through the layers abstracting the pixels ...

Introduction

What is a transistor

Logic gates

Learn R in 39 minutes - Learn R in 39 minutes by Equitable Equations 491,704 views 1 year ago 38 minutes - Got 40 minutes? You can learn R and still have time for high fives afterwards. If this vid helps you, please help me a tiny bit by ...

Convert Data Frame Column to Numeric in R | Example: Change Factor & Character Variable | as.numeric - Convert Data Frame Column to Numeric in R | Example: Change Factor & Character Variable | as.numeric by Statistics Globe 71,284 views 4 years ago 4 minutes, 3 seconds - data - data.frame(x1 = c(1, 5, 8, 2), # Create example data frame x2 = c(3, 2, 5, 2), x3 = c(2, 7, 1, 2)) data\$x1 ...

Liskov: The Liskov Substitution Principle - Liskov: The Liskov Substitution Principle by Turing Awardee Clips 16,486 views 3 years ago 4 minutes, 23 seconds - Barbara Liskov,, winner of the Association for Computing Machinery's A.M. Turing Award, discusses the origins, and naming, of the ...

Factor Variables in R - Factor Variables in R by Equitable Equations 16,148 views 3 years ago 9 minutes, 51 seconds - R has lots of cool tools for working with categorical variables. Let's get started! If this vid helps you, please help me a tiny bit by ...

Operations like Inequalities

Quick Plot Using a Factor Variable

Bar Plot

Functional programming: an (Emacs) Lisp view 7/n - Functional programming: an (Emacs) Lisp view 7/n by M-x Research 442 views 2 months ago 46 minutes - Seventh talk of the series at the M-x

Research group by Jens Jensen This talk is a continuation after Talk 6. Part 7/n Slides: ...

SBT in Scala, Full Tutorial: How to Set Up Scala Projects with SBT - SBT in Scala, Full Tutorial: How to Set Up Scala Projects with SBT by Rock the JVM 7,577 views 1 year ago 57 minutes - This video is an introduction to SBT, the Scala project builder tool. We'll set up SBT and a Scala project from scratch without an ...

Intro, installing SBT

Build.sbt and setting a new project

Adding a main application

Installing and using libraries

Setting up and running tests

Setting up modules

Modularizing build.sbt, using constants

Using Plugins and Building an App

Adding resolvers

Adding custom tasks and settings

Command aliases

Cross-compiling

Ada Lovelace: The Original Woman in Tech | Zoe Philpott | TEDxBucharest - Ada Lovelace: The Original Woman in Tech | Zoe Philpott | TEDxBucharest by TEDx Talks 56,318 views 6 years ago 14 minutes, 2 seconds - When Ada Lovelace created the world's first complex computer program in 1843 she stated she would "rather be great than be ...

Intro

Where are the statues of women

All around the world

Im a storyteller

Working in tech

Women in tech

Encouraging women

Ada Lovelace

Early Life

Human Imagination

First Complex Computer Program

Charles Babbage

Ada

Onewoman show

LED dress

Share more stories

Pearls of Computation talk: The work of Barbara Liskov - Pearls of Computation talk: The work of Barbara Liskov by RU Computer Science 107 views Streamed 8 years ago 58 minutes - So one of the things that **Barbara Liskov**, did was to popularize the idea of absurd data type and you can see that sort of the ...

The Power of Abstraction - The Power of Abstraction by Stanford 9,351 views 10 years ago 1 hour, 15 minutes - (April 20, 2009) **Barbara Liskov**,.

Introduction

Micro Programming

Software Crisis

Program Methodology

Goto Statement

Dijkstra Statement

Topdown Design

Modularity

Partitions

SIGPLAN

Extensible Languages

Jim Morris

Bill Wolfe Mary Shaw

Jack Dennis

concurrency

garbage collection

clusters

Abstract data type

Exception handling

Syntax

Handler

Exceptions

Iterator

For Loop

Perspectives on system languages and abstraction - Perspectives on system languages and abstraction by Association for Computing Machinery (ACM) 852 views 8 years ago 28 minutes -

Author: **Barbara Liskov**, Abstract: **Barbara Liskov**, examines the evolution of abstractions, such as processes and software layers, ...

Introduction

Early days of systems

Batch processing

THG

Dijkstra

Venus

Layers of abstraction

System models

Dual system models

Life was not that simple

Programming language research

Distributed systems

Bureau and Nelson

Why is communication hard

Bureau Nelson

Paxos

Conclusion

Question

ISSTA 2020 Opening and Keynote by Barbara Liskov: "Reflections on Programming Methodology" -

ISSTA 2020 Opening and Keynote by Barbara Liskov: "Reflections on Programming Methodology" by

ISSTA 413 views Streamed 3 years ago 1 hour, 13 minutes - Thank you thank you professor **liskov**, um so we can now take some questions so for the listeners attendees if you can please post ...

Power of Abstraction - Power of Abstraction by Purdue University 165 views 10 years ago 49 minutes

- Prof. **Barbara Liskov**, MIT March 21, 2013.

Software is Complex

The Situation in 1970

Idea

The Landscape

From ADTs to CLU

CLU Mechanisms

Clusters

Polymorphism

Iterators

Visit to CMU

After CLU

From CLU to Object-Oriented Programming

Type Hierarchy

What Next?

Programming Languages Today

Challenges

ARGUS DCF to ARGUS Enterprise - Marshall & Stevens Testimonial - ARGUS DCF to ARGUS

Enterprise - Marshall & Stevens Testimonial by ARGUS Software 547 views 9 months ago 2 minutes

How to use an ADC (embedded example in C) - How to use an ADC (embedded example in C) by Jacob Sorber 27,565 views 3 years ago 14 minutes, 56 seconds - How to use an ADC (in C) // The analog to digital converter, or ADC, is an essential tool that all embedded developers need in ...

Analog Inputs

Adc in the Arduino

Basic Setup
Serial Monitor
View the Serial Plotter
Adc Counts
Code
Adc Config
Set Up an Led
Configure Our Adc
Adc Config
Setting the Clock Source
Jeferson Ossa - Functional Design for Reference Architectures - Jeferson Ossa - Functional Design for Reference Architectures by ScalaIO FR 224 views 5 years ago 20 minutes - During the last 5 years, I've participated in different enterprise software projects based on Scala ecosystem. All of them were ...
Introduction
Context
Complexity
Challenges
Approach
Reference Architecture
Review
Code
Conclusions
Questions
Emacs: Learn to ask for Help and write Elisp - Emacs: Learn to ask for Help and write Elisp by Protesilaos Stavrou 8,130 views 2 years ago 50 minutes - In this presentation I show how to use Emacs' Help system to learn about different aspects of the current session. Knowing how to ...
Help System
Variables
Key Binding
Where a Specific Command Is Bound
Checking Functions at Variables
Help Buffer
Help Commands
How To Read Manuals
Emacs Manuals
Tinker with Emacs Lisp
Customize Emacs
Evaluate a Function
Optional Argument
Conclusion
Always Read the Documentation
R demo: Using the 'as.numeric' and 'as.factor' functions with data frames - R demo: Using the 'as.numeric' and 'as.factor' functions with data frames by Mike Crowson 67,507 views 5 years ago 5 minutes, 15 seconds - In this video I demonstrate how to use the 'as.numeric' function to coerce a character or factor variable contained within a data ...
Functional Programming Crash Course for Scala Beginners - Functional Programming Crash Course for Scala Beginners by DevInsideYou 14,490 views 1 year ago 1 hour, 27 minutes - FP in Scala in one video: immutability, lambdas, monads, tagless-final (TF), effect types and effect type libraries like monix, ...
Intro
What is FP?
Project Setup
v01 - Initial commit - mutable and immutable bank account
v02 - val _
v03 - no intermediate state
v04 - tap
v05 - scala.util.chaining
v06 - IMPORTANT | simple mutability challenges

v07 - simple mutability challenges for bank accounts
v08 - pipe
v09 - IMPORTANT | descriptions of programs
v10 - solving the println problem
v11 - getting closer to solving the BankAccount problem
v12 - solving the BankAccount problem
v13 - IMPORTANT | FPApp
v14 - Refactoring
v15 - IMPORTANT | path to Monads - Part 1
v16 - path to Monads - Part 2
v17 - path to Monads - Part 3
v18 - path to Monads - Part 4
v19 - path to Monads - Part 5
v20 - path to Monads - Part 6
v21 - path to Monads - Part 7
v22 - path to Monads - Part 8
v23 - path to Monads - Part 9
v24 - path to Monads - Part 10
v25 - path to Monads - Part 11
v26 - mutable state must be delayed
v27 - fp hello world
v28 - IMPORTANT | path to Tagless-Final - Part 1
v29 - path to Tagless-Final - Part 2
v30 - path to Tagless-Final - Part 3
v31 - path to Tagless-Final - Part 4
v33 - lib-examples
TF vs monix | cats-effect | ZIO
"Practical Functional Programming in #Scala" Review - "Practical Functional Programming in #Scala"
Review by DevInsideYou 3,351 views 2 years ago 5 minutes, 15 seconds - Get this **book**, if you are
in doubt about how to structure a full blown functional code base from scratch! Get it here: ...
Intro
Meta Info
Content
Review
Mozilla Foundation Open Leaders Demo Call - Barkopolis - Mozilla Foundation Open Leaders Demo
Call - Barkopolis by Mozilla 171 views Streamed 5 years ago 58 minutes - Barkopolis (aka Cohort
A) Ada. National College for Digital Skills—Alex Hemming Alerta Machitroll—Amalia Toledo Beware
of ...
our ongoing activities
What does success look like?
BIG Vision
Why is this important?
Search filters
Keyboard shortcuts
Playback
General
Subtitles and closed captions
Spherical videos