

Java 8 In Action Lambdas Streams And Functional Style Programming

AWS Lambda in Action Amazon Web Services in Action, Third Edition Amazon Web Services in Action Modern Java in Action Kotlin in Action Kotlin in Action, Second Edition A Functional Approach to Java Java Lambdas : Introduction to Java 8 Functional Programming Learning Python C, C++, Java, Python, PHP, JavaScript and Linux For Beginners Mastering the Interview: 80 Essential Questions for Software Engineers Mastering AWS Lambda Delegates, Events, and Lambda Expressions in C# From Lambda Calculus to Cybersecurity Through Program Analysis API Gateway, Cognito and Powershell Lambdas Programming AWS Lambda Introduction to JVM Languages Hands-On Java: Practical Exercises for Programmers Java Closures and Lambda Computational Methods in Systems Biology Danilo Poccia Andreas Wittig Michael Wittig Raoul-Gabriel Urma Dmitry Jemerov Roman Elizarov Ben Weidig Nathanael Nachenga Mark Lutz Manjunath.R Manjunath.R Yohan Wadia Vaskaran Sarcar Alessandra Di Pierro Matthew Casperson John Chapin Vincent van der Leun Manjunath.R Robert Fischer Ashutosh Gupta

AWS Lambda in Action Amazon Web Services in Action, Third Edition Amazon Web Services in Action Modern Java in Action Kotlin in Action Kotlin in Action, Second Edition A Functional Approach to Java Java Lambdas : Introduction to Java 8 Functional Programming Learning Python C, C++, Java, Python, PHP, JavaScript and Linux For Beginners Mastering the Interview: 80 Essential Questions for Software Engineers Mastering AWS Lambda Delegates, Events, and Lambda Expressions in C# From Lambda Calculus to Cybersecurity Through Program Analysis API Gateway, Cognito and Powershell Lambdas Programming AWS Lambda Introduction to JVM Languages Hands-On Java: Practical Exercises for Programmers Java Closures and Lambda Computational Methods in Systems Biology *Danilo Poccia Andreas Wittig Michael Wittig Raoul-Gabriel Urma Dmitry Jemerov Roman Elizarov Ben Weidig Nathanael Nachenga Mark Lutz Manjunath.R Manjunath.R Yohan Wadia Vaskaran Sarcar Alessandra Di Pierro Matthew Casperson John Chapin Vincent van der Leun Manjunath.R Robert Fischer Ashutosh Gupta*

summary aws lambda in action is an example driven tutorial that teaches you how to build applications that use an event driven approach on the back end foreword by james governor about the technology with aws lambda you write your code and upload it to the aws cloud aws lambda responds to the events triggered by your application or your users and automatically manages the underlying computer resources for you back end tasks like analyzing a new document or processing requests from a mobile app are easy to implement your application is divided into small functions leading naturally to a reactive architecture and the adoption of microservices about the book aws lambda in action is an example driven tutorial that teaches you how to build applications that use an event driven approach on the back end starting with an overview of aws lambda the book moves on to show you common examples and patterns that you can use to call lambda

functions from a web page or a mobile app the second part of the book puts these smaller examples together to build larger applications by the end you ll be ready to create applications that take advantage of the high availability security performance and scalability of aws what s inside create a simple api create an event driven media sharing application secure access to your application in the cloud use functions from different clients like web pages or mobile apps connect your application with external services about the reader requires basic knowledge of javascript some examples are also provided in python no aws experience is assumed about the author danilo poccia is a technical evangelist at amazon services and a frequent speaker at public events and workshops table of contents running functions in the cloud your first lambda function your function as a web api managing security using standalone functions managing identities calling functions from a client designing an authentication service implementing an authentication service adding more features to the authentication service building a media sharing application why event driven improving development and testing automating deployment automating infrastructure management calling external services receiving events from other services part 1 first steps part 2 building event driven applications part 3 from development to production part 4 using external services

amazon services in action an in depth guide to aws is the ideal guide for mid level developers devops or platform engineers architects and system administrators rich in examples and best practices this manning bestseller is the all practical complete handbook to computing storage and networking for all core aws services

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summary kotlin in action guides experienced java developers from the language basics of kotlin all the way through building applications to run on the jvm and android devices foreword by andrey breslav lead designer of kotlin purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications about the technology developers want to get work done and the less hassle the better coding with kotlin means less hassle the kotlin programming language offers an expressive syntax a strong intuitive type system and great tooling support along with seamless interoperability with existing java code libraries and frameworks kotlin can be compiled to java bytecode so you can use it everywhere java is used including android and with an efficient compiler and a small standard library kotlin

imposes virtually no runtime overhead about the book kotlin in action teaches you to use the kotlin language for production quality applications written for experienced java developers this example rich book goes further than most language books covering interesting topics like building dsls with natural language syntax the authors are core kotlin developers so you can trust that even the gnarly details are dead accurate what s inside functional programming on the jvm writing clean and idiomatic code combining kotlin and java domain specific languages about the reader this book is for experienced java developers about the author dmitry jemerov and svetlana isakova are core kotlin developers at jetbrains table of contents part 1 introducing kotlin kotlin what and why kotlin basics defining and calling functions classes objects and interfaces programming with lambdas the kotlin type system part 2 embracing kotlin operator overloading and other conventions higher order functions lambdas as parameters and return values generics annotations and reflection dsl construction

expert guidance and amazing examples from core kotlin s developers it s everything you need to get up and running fast in kotlin in action second edition you will learn kotlin statements and functions and classes and types functional programming on the jvm the kotlin standard library and out of the box features writing clean and idiomatic code combining kotlin and java improve code reliability with null safety domain specific languages kotlin concurrency mastering the kotlinx coroutines library kotlin in action second edition is a complete guide to the kotlin language written especially for readers familiar with java or another oo language in it core kotlin language developers share their unique insights along with practical techniques and hands on examples you ll quickly progress from language basics to building production quality applications that take advantage of kotlin s unique features this new second edition is fully updated to include the latest innovations and it adds new chapters dedicated to coroutines and concurrency about the technology coding with kotlin means less hassle and more productivity this jvm based language offers an expressive syntax a strong intuitive type system and great tooling support plus seamless interoperability with existing java code libraries and frameworks kotlin is general purpose safe pragmatic and the premier language of android development while the language has grown beyond its initial java centric focus you can still use and integrate with your favorite java tools and libraries including spring

java developers usually tackle the complexity of software development through object oriented programming oop but not every problem is a good match for oop the functional programming fp paradigm offers you another approach to solving problems and java provides easy to grasp fp tools such as lambda expressions and streams if you re interested in applying fp concepts to your java code this book is for you author ben weidig highlights different aspects of functional programming and shows you how to incorporate them into your code without going fully functional you ll learn how when and why to use fp concepts such as immutability and pure functions to write more concise reasonable and future proof code many developers seek to expand their horizons by using oop and fp together it s no longer either or it s both in this book you will get a high level overview of functional programming including the types already available to java developers explore different fp concepts and learn how to use them learn how to augment your code and use java s new functional features in your daily work without going fully functional develop a functional mindset and improve your programming skills regardless of language or paradigm

the deep descriptions are provided for lambdas and lambda expressions a good starting point especially for those who are still new to lambdas and functional programming as a whole all the complicated concepts have been explained in details from type inference target types to functional interfaces and how and where should we use lambda expressions

based on author mark lutz s popular training course this updated fifth edition will help you quickly write efficient high quality code with python it s an ideal way to begin whether you re new to programming or a professional developer versed in other languages provided by publisher

an introduction to programming languages and operating systems for novice coders an ideal addition to your personal elibrary with the aid of this indispensable reference book you may quickly gain a grasp of python java javascript c c css data science html linux and php it can be challenging to understand the programming language s distinctive advantages and charms many programmers who are familiar with a variety of languages frequently approach them from a constrained perspective rather than enjoying their full expressivity some programmers incorrectly use programmatic features which can later result in serious issues the programmatic method of writing programs the ideal approach to use programming languages is explained in this book this book is for all programmers whether you are a novice or an experienced pro its numerous examples and well paced discussions will be especially beneficial for beginners those who are already familiar with programming will probably gain more from this book of course i want you to be prepared to use programming to make a big difference c c java python php javascript and linux for beginners is a comprehensive guide to programming languages and operating systems for those who are new to the world of coding this easy to follow book is designed to help readers learn the basics of programming and linux operating system and to gain confidence in their coding abilities with clear and concise explanations readers will be introduced to the fundamental concepts of programming languages such as c c java python php and javascript as well as the basics of the linux operating system the book offers step by step guidance on how to write and execute code along with practical exercises that help reinforce learning whether you are a student or a professional c c java python php javascript and linux for beginners provides a solid foundation in programming and operating systems by the end of this book readers will have a solid understanding of the core concepts of programming and linux and will be equipped with the knowledge and skills to continue learning and exploring the exciting world of coding

the software engineer s guide to acing interviews software interview questions you ll most likely be asked mastering the interview 80 essential questions for software engineers is a comprehensive guide designed to help software engineers excel in job interviews and secure their dream positions in the highly competitive tech industry this book is an invaluable resource for both entry level and experienced software engineers who want to master the art of interview preparation this book provides a carefully curated selection of 80 essential questions that are commonly asked during software engineering interviews each question is thoughtfully crafted to assess the candidate s technical knowledge problem solving abilities and overall suitability for the role this book goes beyond just providing a list of questions it offers in depth explanations detailed sample answers and insightful tips on how to approach each question with confidence and clarity the goal is to

equip software engineers with the skills and knowledge necessary to impress interviewers and stand out from the competition mastering the interview 80 essential questions for software engineers is an indispensable guide that empowers software engineers to navigate the interview process with confidence enhance their technical prowess and secure the job offers they desire whether you are a seasoned professional or a recent graduate this book will significantly improve your chances of acing software engineering interviews and advancing your career in the ever evolving world of technology

build cost effective and highly scalable serverless applications using aws lambda about this book leverage aws lambda to significantly lower your infrastructure costs and deploy out massively scalable event driven systems and applications learn how to design and build lambda functions using real world examples and implementation scenarios explore the serverless ecosystem with a variety of toolsets and aws services including dynamodb api gateway and much more who this book is for if you are a cloud administrator and or developer who wishes to explore learn and leverage aws lambda to design build and deploy serverless applications in the cloud then this is the book for you the book assumes you have some prior knowledge and hands on experience with aws core services such as ec2 iam s3 along with the knowledge to work with any popular programming language such as node js java c and so on what you will learn understand the hype significance and business benefits of serverless computing and applications plunge into the serverless world of aws lambda and master its core components and how it works find out how to effectively and efficiently design develop and test lambda functions using node js along with some keen coding insights and best practices explore best practices to effectively monitor and troubleshoot serverless applications using aws cloudwatch and other third party services in the form of datadog and loggly quickly design and develop serverless applications by leveraging aws lambda dynamodb and api gateway using the serverless application framework saf and other aws services such as step functions explore a rich variety of real world serverless use cases with lambda and see how you can apply it to your environments in detail aws is recognized as one of the biggest market leaders for cloud computing and why not it has evolved a lot since the time it started out by providing just basic services such as ec2 and s3 and today they go all the way from iot to machine learning image recognition chatbot frameworks and much more one of those recent services that is also gaining a lot of traction is aws lambda although seemingly simple and easy to use lambda is a highly effective and scalable compute service that provides developers with a powerful platform to design and develop serverless event driven systems and applications the book begins with a high level introduction into the world of serverless computing and its advantages and use cases followed by a deep dive into aws lambda you ll learn what services aws lambda provides to developers how to design write and test lambda functions as well as monitor and troubleshoot them the book is designed and accompanied with a vast variety of real world examples use cases and code samples that will enable you to get started on your serverless applications quickly by the end of the book you will have gained all the skills required to work with aws lambda services style and approach this step by step guide will help you build serverless applications and run serverless workloads using the aws lambda service you ll be able to get started with it in a matter of minutes with easy to follow code snippets and examples

among the many features that make c a powerful and versatile language delegates events and lambda expressions stand out

for their innovation and practical impact this pocketbook will guide you to learn these core elements offering a beginner friendly yet thorough exploration through clear explanations real world code examples q a sessions and hands on exercises diving into functional programming using delegates implementing the observer design pattern with events or streamlining your code with lambda expressions this book helps you understand not just how these features work but why they matter you ll learn how they interrelate and how they re used in modern c development including their role in linq and event driven programming ideal for developers looking to sharpen their skills and gain confidence this book ensures you walk away with the knowledge to write cleaner more expressive and maintainable c code what you will learn gain insights into advanced c concepts with hands on examples work with net 10 which supports c 14 using visual studio community edition master delegates events and lambda expressions in real world scenarios build confidence to tackle technical interviews in c who this book is for developers and programmers in c and net

this festschrift is in honor of chris hankin professor at the imperial college in london uk on the occasion of his 65th birthday chris hankin is a fellow of the institute for security science and technology and a professor of computing science his research is in cyber security data analytics and semantics based program analysis he leads multidisciplinary projects focused on developing advanced visual analytics and providing better decision support to defend against cyber attacks this festschrift is a collection of scientific contributions related to the topics that have marked the research career of professor chris hankin the contributions have been written to honour chris career and on the occasion of his retirement

this book describes the process of creating a cognito user pool to manage our users deploying a simple powershell application to lambda integrating all these systems with api gateway and consuming the resulting endpoint from a simple javascript web application

serverless revolutionizes the way organizations build and deploy software with this hands on guide java engineers will learn how to use their experience in the new world of serverless computing you ll discover how this cloud computing execution model can drastically decrease the complexity in developing and operating applications while reducing costs and time to market engineering leaders john chapin and mike roberts guide you through the process of developing these applications using aws lambda amazon s event driven serverless computing platform you ll learn how to prepare the development environment program lambda functions and deploy and operate your serverless software the chapters include exercises to help you through each aspect of the process get an introduction to serverless functions as a service and aws lambda learn how to deploy working lambda functions to the cloud program lambda functions and learn how the lambda platform integrates with other aws services build and package java based lambda code and dependencies create serverless applications by building a serverless api and data pipeline test your serverless applications using automated techniques apply advanced techniques to build production ready applications understand both the gotchas and new opportunities of serverless architecture

explore the java virtual machine with modern programming languages about this book this guide provides in depth coverage

of the java virtual machine and its features filled with practical examples this book will help you understand the core concepts of java scala clojure kotlin and groovy work with various programming paradigms and gain knowledge about imperative object oriented and functional programming who this book is for this book is meant for programmers who are interested in the java virtual machine jvm and want to learn more about the most popular programming languages that can be used for jvm development basic practical knowledge of a modern programming language that supports object oriented programming javascript python c vb net and c is assumed what you will learn gain practical information about the java virtual machine understand the popular jvm languages and the java class library get to know about various programming paradigms such as imperative object oriented and functional work with common jvm tools such as eclipse ide gradle and maven explore frameworks such as sparkjava vert x akka and javafx boost your knowledge about dialects of other well known programming languages that run on the jvm including javascript python and ruby in detail anyone who knows software development knows about the java virtual machine the java virtual machine is responsible for interpreting java byte code and translating it into actions in the beginning java was the only programming language used for the jvm but increasing complexity of the language and the remarkable performance of the jvm created an opening for a new generation of programming languages if you want to build a strong foundation with the java virtual machine and get started with popular modern programming languages then this book is for you the book will begin with a general introduction of the jvm and its features which are common to the jvm languages helping you get abreast with its concepts it will then dive into explaining languages such as java scala clojure kotlin and groovy and will show how to work with each language their features use cases and pros and cons by writing example projects in those languages and focusing on each language s strong points it will help you find the programming language that is most appropriate for your particular needs by the end of the book you will have written multiple programs that run on the java virtual machine and know about the differences between the various languages style and approach this practical example filled guide will help you get started with the jvm and some of its most popular languages

are you ready to master java programming through hands on practice dive into the world of java with hands on java practical exercises for programmers a comprehensive guide designed to elevate your skills through a series of engaging exercises this book is tailored for programmers at all levels whether you re just starting your journey in java or looking to enhance your proficiency each exercise is thoughtfully designed to encompass fundamental java concepts spanning from foundational syntax to advanced topics by working through these exercises you will not only strengthen your understanding of java but also gain practical experience in solving real world programming challenges

java closures and lambda introduces you to significant new changes to the java language coming out of what is termed project lambda these new changes make their debut in java 8 and their highlight is the long awaited support for lambda expressions in the java language you ll learn to write lambda expressions and use them to create functional interfaces and default methods for evolving apis among many other uses the changes in java 8 are significant syntax and usage of the language are changed considerably with the introduction of closures and lambda expressions this book takes you through

these important changes from introduction to mastery through a set of clear examples you ll learn to refactor existing code to take advantage of the new language features you ll learn what those features can do for you and when they are best applied you ll learn to design and write new code having these important new features in mind from the verybeginning clearly explains the fantastic benefits resulting from project lambda explains the syntax and ide support for the new features shows how to streamline your code by bringing some of the benefits of functional programming to the java language illustrates parallelism in closures through stream and spliterator objects explains api evolution by adding methods to existing interfaces without breaking existing interface implementations a technique addressing potential multiple inheritance issues

this book constitutes the proceedings of the 11th international conference on computational methods in systems biology cmsb 2013 held in klosterneuburg austria in september 2013 the 15 regular papers included in this volume were carefully reviewed and selected from 27 submissions they deal with computational models for all levels from molecular and cellular to organs and entire organisms

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Introduction

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