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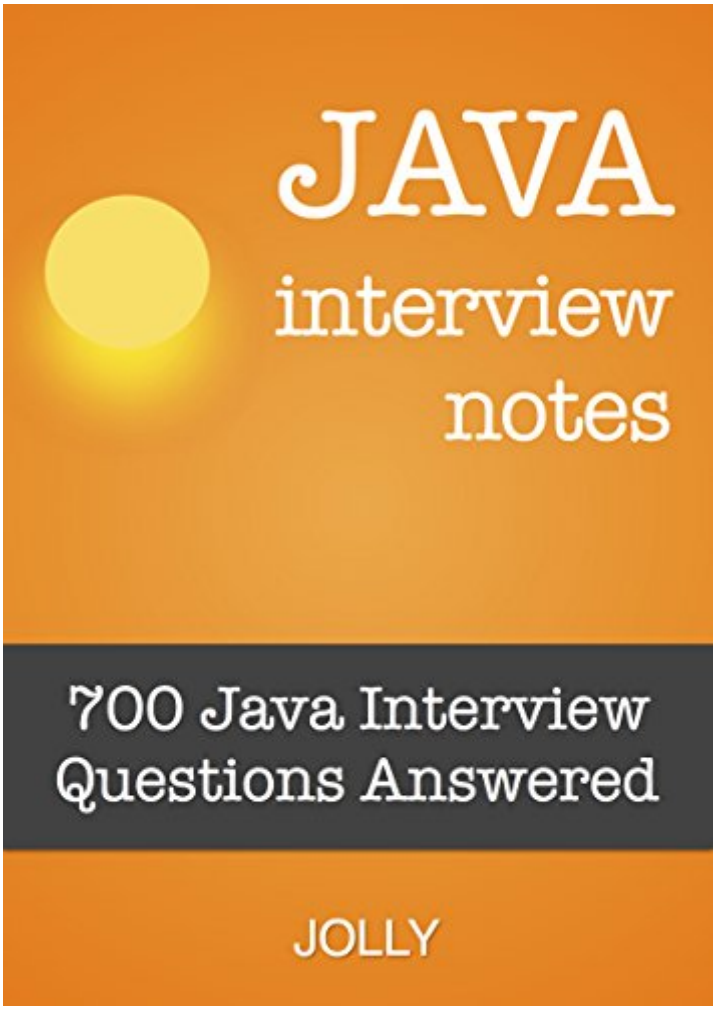
Java Interview Notes: 700 Java Interview Questions Answered



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Synopsis

Java Interview Notes incorporate most critical topics discussed during Java technical interview round, along with the interview questions for each concept. This book also contains lots of code snippets and figures to explain matters.Concepts in the book are organized in very precise and concise manner, in small chapters and are to the point. CONTENT:Java Fundamentals:Java Program AnatomyJava Program and JVMData TypesNaming ConventionObject classAccess Modifiersstaticfinalstatic initialization blockfinally()finalize()Widening vs Narrowing Conversiongetters and settersvarargs vs object arraydefault interface methodstatic interface methodAnnotationsPreferencesPass by value or reference Object Oriented Programming:Polymorphism Parametric Polymorphism Subtype PolymorphismOverriding @OverrideOverloadingAbstractionInheritanceCompositionFundamental Design Concepts :DI vs IoCService LocatorDiamond ProblemProgramming to InterfaceAbstract class vs InterfaceInternationalization and LocalizationImmutable ObjectsCloningData Types :NaNEnumSetComparing Data Types Float comparison String comparison Enum comparisonenum vs public static int fieldWrapper ClassesAuto boxing and Auto unboxingBigInteger and BigDecimal Strings :String ImmutabilityString Literal vs ObjectString InterningString Pool Memory ManagementImmutability - Security issueCircumvent String immutabilityStringBuffer vs StringBuilderUnicodeInner Classes:Inner ClassesStatic Member Nested ClassLocal Inner ClassNon-Static Nested ClassAnonymous Inner ClassFunctional Programming:Lambda ExpressionFunctional InterfacePure FunctionsFluent InterfaceGenerics :GenericsGenerics-Type WildcardsGenerics - MethodJava Generics vs Java ArrayGenerics - Type ErasureCo-varianceContra-varianceCo-variance vs Contra-varianceCollections :Collection design aspectsCollection FundamentalsCollection InterfacesCollection Types Set List Queue MapAlgorithmsComparable vs ComparatorhashCode() and equals()HashTable vs HashMapSynchronized vs Concurrent CollectionsIterating over collectionsfail-fast vs fail-safeError and Exception:ExceptionChecked vs Unchecked vs ErrorException Handling Best Practicestry-with-resourceThreading :Threading TermsThread LifecycleThread TerminationRunnable vs Thread Runnable vs CallableDaemon ThreadRace Condition and Immutable objectThread PoolSynchronization :Concurrent vs Parallel vs AsynchronousThread SynchronizationSynchronized method vs Synchronized blockConditional SynchronizationVolatilestatic vs volatile vs synchronizedThreadLocal Storagewait() vs sleep()Joining ThreadAtomic ClassesLockReadWriteLockSynchronizers Barrier Semaphore Phaser Exchanger LatchExecutor Framework Executor ServiceFork-Join FrameworkReflection :Purpose of

reflection Drawbacks of Reflection Data Interchange:JSON Memory Management:Stack vs Heap Heap fragmentation Object Serialization Garbage Collection Memory ManagementWeak vs Soft vs Phantom ReferenceUnit Testing:Why unit testing?Unit vs Integration vs Regression vs ValidationTesting private membersMocking and Mock ObjectsJava Tools:GitMavenAntJenkins

Book Information

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Customer Reviews

This is a very well written book that not only addresses topics that are covered during a Java technical interview but it also has a range of interview questions for each topic.It captures concepts on a wide range of topics: covering fundamentals, OOPs, generics, collections, threading, memory management, various design and Java language concepts, in a very precise manner. Each chapter contains a series of questions for your practice. This book is really very comprehensive. It also contains lots of code snippets and figures to explain the concept. Overall a great book to prepare you for technical interviews. Happy to make this investment.

Wow, is this guide book ever comprehensive about Java as it relates to the technical interview round! Honestly, if you want to make sure that you are mentally prepared to answer any and all questions in a thoughtful, intelligent manner that is sure to impress, then you need to peruse this

book. You might not need all the information presented, as it is pretty darned extensive. However, if you go over the sections you are not sure about, you can go into your technical interview feeling confident. Actually, this is also a good refresher on Java if you only need that as well.

This book is very useful!!!! Thank you so much!!!!

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