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[Java 8 ready?](#)
[Top X](#)
[Productivity Tools](#)
[Judging Experience?](#)

[Home](#) > [Interview](#) > [Ice Breaker Interview Q&A](#) > 07: ♥ 20+ Pre interview refresher on productivity & debugging tools for Java developers

07: ♥ 20+ Pre interview refresher on productivity & debugging tools for Java developers

Posted on [October 13, 2014](#) by [Arulkumaran Kumaraswamipillai](#) — [No](#)

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Experienced developers know what tools to use to get the job done. I often forget code quality tool names like Sonar, FindBugs, Crucible, etc, penetration testing tools like Skipfish, and ETL tools like Datastage to name a few. So, it is worth refreshing your memory prior to job interviews.

Eclipse/IntelliJ/NetBeans: Integrated Development Environment (IDE).

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- 01: ♦ 15 Ice breake
- 02: ♥♦ 8 real life ex
- 03: ♦10+ Know you
- 04: Can you think c
- 05: ♥ What job inte
- 06: ► Tell me abou
- 07: ♥ 20+ Pre inter

[Core Java Interview C](#)

[Java Overview \(4\)](#)

01: ♦ ♥ 17 Java c

Hibernate: Object-relational mapper. i.e. ORM tool.

YourKit, Visual VM: Java profilers.

Clover: Code coverage tool from Atlassian.

Mockito, PowerMock, EasyMock, etc : Mock libraries.

Jetty: Lightweight, embeddable app server.

JUnit: Unit test framework.

Jenkins, Bamboo, etc: Continuous integration tool.

JD-GUI: Decompiler. Standalone graphic utility that displays source codes of “.class” files.

SOAP UI: For testing Web services, bot SOAP based and REST based.

POSTMAN Google Chrome extension: For testing RESTful webservices.

Jasper Reports with iText: for generating reports in PDF, XLS, etc formats.

Confluence: for document sharing.

Guava: Utility library from Google.

Crucible from Atlassian: for code reviews.

FindBugs: Static code analyzer.

Maven: Build and dependency management tool.

Snappy: Compression/decompression library from Google Code.

02: ♥♦ Java Con

03: ♦ 9 Core Jav

04: ♦ Top 10 mos

☐ Data types (6)

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☐ constructors-methc

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☐ Classes (3)

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♦ Java classes a

☐ Objects (8)

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♥♦ HashMap & H

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♦ Java enum inte

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♥♦ Object equals

Java serialization

Mocks, stubs, dc

☐ OOP (10)

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♦ 30+ FAQ Java

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08: ♦ Write code

Explain abstracti

How to create a

Top 5 OOPs tips

Top 6 tips to go a

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What are good r

☐ GC (2)

♦ Java Garbage

Sonar: A popular code quality tool.

Drools: A business rules management tool.

PuTTY, MobaXterm, MYSIS, etc: Telnet/ssh clients.

Apache JMeter: Tool to load test functional behavior and measure performance.

WinSCP, FileZilla, etc: SCP and FTP clients for WinTel platform.

Wireshark, Kismet, tcpdump: are network protocol analyzers for debugging what is transmitted on the wire.

Librato: Monitoring & Visualization Cloud Services.

Takipi: Error tracking and analysis.

Elasticsearch: Search & Analytics platform.

Skipfish from Googl: Fully automated penetration testing tool to identify security holes.

Tamperdata is a firefox plugin: for penetration testing.

Beyond compare: to compare files. Both binary and text.

Browser plugins like FireBug: to debug Web applications on the client-side.

Omniure: JavaScript and cookies based website analytics.

Gradle: Build tool. Automates the building, testing, publishing, and deployment.

DB Artisan, SQL Developer, TOAD, DB Visualizer, etc: Database tools for executing SQL and viewing database objects.

03: Java GC tun

Generics (5)

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♥ Overloaded m

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FP (8)

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03: ♦ Functional

04: ♥♦ Top 6 tips

05: ♥ 7 Java FP

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IO (7)

♥ Reading a text

♦ 15 Java old I/C

06: ♥ Java 8 way

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Reloading config

Multithreading (12)

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02: ♥♦ 10+ Java

03: ♦ More Java

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06: ♦ 10+ Atomic

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08: ♦ ThreadLoc

09: Java FutureT

10: ♦ ExecutorSe

Java ExecutorSe

Producer and Co

Algorithms (5)

♦ Splitting input t

♦ Tree traversal :

♥ ♦ Java coding

iSQL for Sybase and SQLPlus for Oracle. BCP (stands for Bulk CoPy) and SQL Loader: are ETL (i.e. Extract Transform and Load) tools to import data from a flat file into a database and export data from a database into a flat file.

Visio, Gliffy draw, etc: to draw conceptual design, UML, and ERD diagrams.

Subversion, Git, etc: code repositories to share and version control.

XMLSpy, Oxygen, etc: for working with the XML documents.

Notepad++: for viewing, editing and manipulating text files.

Control-M, Quartz, and Unix Crontab: for scheduling jobs.

cURL, FireBug poster plugin, and RESTClient: to test RESTFul web services.

HermesJMS and JMS – SopaUI: to interact with JMS providers making it simple to publish and edit messages, browse or search queues and topics, copy messages around and delete them.

JIRA: to manage issues and tasks.

PuTTYgen: is a key generator. It generates pairs of public and private keys to be used with WinSCP.

hprof, jconsole, jhat, jmap, and visual VM: Profiling tools shipped with Java.

TortoiseSVN: SVN client for Windows platform.

runjdwp: is a Java agent for remote debugging Java applications.

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Annotations (2)
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Java exception
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02: Java 8 Stre
03: Functional
04: Top 6 tips
04: Convert Lists

Fiddler2: Web debugging tool for IE. Similar to Firebug is for Firefox.

P6SPY and log4jdbc: for debugging SQL drivers and logging SQL statements respectively.

JRebel: for hot deployment of code, which improves developer productivity by skipping the build and redeploy phases in your sandbox. JRebel is a JVM agent, which instantly reloads your code upon change without having to restart your application server.

Splunk: for getting a consolidated view of the log and data files from multiple nodes, machines, and clusters.

ConnLeakFinder, log4jdbc, p6spy: to identify jdbc connection leaks.

Cobertura: code coverage tool.

Black duck: discover security vulnerabilities in open-source.

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06: ♥ Java 8 way

07: ♦ Java 8 API

08: ♦ Write code

10: ♦ ExecutorSe

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☐ JVM (6)

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06: ♦ 10+ Atomic

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☐ Reactive Program

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10: ♦ ExecutorSe

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☐ Swing & AWT (2)

5 Swing & AWT i

Q6 – Q11 Swing

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☐ JEE Overview (2)

♦ 8 Java EE (aka

Java EE interview

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Arulkumaran Kumaraswamipillai

Mechanical Eng to freelance Java developer in 3 yrs. Contracting since 2003, and attended 150+ Java job interviews, and often got 4 - 7 job offers to choose from. It pays to prepare. So, published Java interview Q&A books via Amazon.com in 2005, and sold 35,000+ copies. Books are outdated and replaced with this subscription based site.



About Arulkumaran Kumaraswamipillai

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WebService (11)

01: ♥♦ 40+ Java

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JPA (2)

10: Spring, Java

8 JPA interview c

JTA (1)

JTA interview Q&

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♦ 12 FAQ JDBC

JDBC Overview

NamedParamete

Spring, JavaCon

JMS (5)

♦ 16 FAQ JMS ir

Configuring JMS

JMS versus AMC

Spring JMS with

Spring JMS with

JMX (3)

5 JMX and MBe

Event Driven Pr

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JNDI and LDAP (1)

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	01: ♥♦ 13 Spring
	01b: ♦ 13 Spring
	04 ♦ 17 Spring b
	05: ♦ 9 Spring B
☐	Java Key Area Ess
	♦ Design pattern
	♥ Top 10 causes
	♥♦ 01: 30+ Writir
	♦ 12 Java design
	♦ 18 Agile Develo
	♦ 5 Ways to debu
	♦ 9 Java Transac
	♦ Monitoring/Pro
	02: ♥♦ 13 Tips to
	15 Security key :
	4 FAQ Performa
	4 JEE Design Pa
	5 Java Concurr
	6 Scaling your Ja
	8 Java memory i
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	♦ 30+ FAQ Java
	01: ♦ 19 Java 8 I
	04: ♥♦ Top 6 tips
☐	Code Quality Job I
	♦ Ensuring code
	♦ 5 Java unit tes
☐	SQL, XML, UML, JSC
☐	ERD (1)
	♦ 10 ERD (Entity
☐	NoSQL (2)
	♦ 9 Java Transac
	3. Understanding
☐	Regex (2)
	♥♦ Regular Expr
	Regular Express
☐	SQL (7)
	♦ 15 Database d
	♦ 14+ SQL interv
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	Deleting records
	SQL Subquery in
	Transaction man
UML (1)	
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JSON (2)	
JSON interview (
JSON, Jackson,	
XML (2)	
XML basics inter	
XML Processing	
XSD (2)	
11 FAQ XSD inte	
XSD reuse inter	
YAML (2)	
YAML with Java	
YAML with Sprin	
Hadoop & BigData Int	
♥ 01: Q1 – Q6 Had	
02: Q7 – Q15 Hadc	
03: Q16 – Q25 Hac	
04: Q27 – Q36 Apa	
05: Q37 – Q50 Apa	
05: Q37-Q41 – Dat	
06: Q51 – Q61 HB	
07: Q62 – Q70 HDI	
Java Architecture Inte	
♥◆ 01: 30+ Writing	
001A: ◆ 7+ Java int	
001B: ◆ Java archit	
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02: ♥◆ 13 Tips to w	
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05: ETL architectur	
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Scala Interview Q&As	
01: ♥ Q1 – Q6 Scal	
02: Q6 – Q12 Scal	
03: Q13 – Q18 Sca	

- 04: Q19 – Q26 Sca
- 05: Q27 – Q32 Sca
- 06: Q33 – Q40 Sca
- 07: Q41 – Q48 Sca
- 08: Q49 – Q58 Sca
- 09: Q59 – Q65 Hig
- 10: Q66 – Q70 Pat
- 11: Q71 – Q77 – S
- 12: Q78 – Q80 Rec
- Spring, Hibernate, & I
 - Spring (18)
 - Spring boot (4)
 - 11 Spring bc
 - 01: Simple Sp
 - 02: Simple Sp
 - 03: Spring box
 - Spring IO (1)
 - Spring IO tuto
 - Spring JavaConl
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 - 01: ♥♦ 13 Spring
 - 01b: ♦ 13 Spring
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 - 04 ♦ 17 Spring b
 - 05: ♦ 9 Spring B
 - 06: ♥ Debugging
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 - Hibernate (13)
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- 09: Hibernate en
- 10: Spring, Java
- 11: Hibernate de
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AngularJS (2)

- ♥ 8 AngularJS in
- More Angular JS

Git & SVN (6)

- ♥ Git & Maven fc
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JMeter (2)

- ♥ JMeter for test
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JSF (2)

- JSF interview Q&
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Maven (3)

- ♥ Git & Maven fc
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Testing & Profiling/Sa

Automation Testing

- ♥ Selenium and

Code Coverage (2)

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Code Quality (2)

- ♥ 30+ Java Code
- ♦ Ensuring code

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- 02: jvisualvm to :
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BDD Testing (4)

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Groovy Coding C

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- ♦ Q11 – Q20
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- JavaScript Vs Ja
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