

INTRODUCTION	Historical Perspective of Java
	Java Buzzwords
	class & object
	Installing JDK Software
	keywords
	Identifiers
	Datatypes
	Arrays
	main method
	command line arguments
OPERATORS & CONTROL FLOW	Arithmetic Operators
	Increment or Decrement Operator
	Relational Operators
	Equality Operators
	Logical operators
	Short-circuit(or conditional) operators
	Ternary operator
	Assignment Operators
	Type Casting
	Selection Statements
	Iteration Statements
	Transfer Statements
ACCESS CONTROL	Package declaration
	Accessibility modifiers (private, default, protected, public)
	import statements
	Java Programming Structure
	Generate JAVA API Documentation
OBJECT ORIENTED PROGRAMMING	Encapsulation
	Inheritance (IS-A Relationship)
	Polymorphism
	Method Signature
	Overloading
	Overriding
	Constructors
	this or super
	Final & static
	Abstract class and Interface
	Marker Interfaces

EXCEPTIONS	Introduction
	Exception Hierarchy
	Difference between Exception & Error
	Exception handling using : try-catch-finally
	Methods to display error information.
	Checked and Unchecked exceptions
	Multiple catch blocks.
	Nested try blocks
	User defined exceptions (Customized Exceptions)
	Throw and Throws
JAVA.LANG PACKAGE	Hierarchy
	Object class
	equals() method and hashing mechanishm
	String
	StringBuffer & StringBuilder(jd1.5)
	Wrapper classes
	Autoboxing and Unboxing(jdk1.5)
MULTITHREADING	Introduction
	Defining, Instantiating, and Starting threads by Extending Thread class implementing Runnable interface
	Implementing Runnable<<interface>>
	Main thread
	Thread Priorities
	Thread names
	Sleep(), Join()
	Daemon threads
	Synchronization
	Interthread communication (wait(), notify() and notifyAll())
	Deadlock
IO STREAMS & SERIALIZATION	File
	InputStream
	OutputStream
	Reader
	Writer
	ByteArray and Character Array Streams
	Read From Keyboard
	Primitive Serialization and Deserialization
	Object Serialization and Deserialization

COLLECTIONS & GENERICS	Legacy classe (JDK.10)
	Collection Framework (JDK1.2)
	Generic Types (JDK1.5)
	Collection<<interface>>
	Collections<<class>>
	Collection properties and Operations
	Collection, List, Set, Map interfaces
	Enumeration, Iterator, ListIterator
	Sorting collection elements
	TimeComplexity
	Stack, Queue classes, PriorityQueue
	Set, HashSet, LinkedHashSet, TreeSet
	Map, Hashtable, HashMap, TreeMap, Properties classes
	Generic types
IDE	Eclipse
<i>Interview Questions</i>	