



TECHHUB SOLUTIONS

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Core Java

Main Topic	Sub Topic
Basic Of Java	Internals of Java Program Difference between JDK,JRE and JVM Internal Details of JVM Java byte-code Installation & Working with Eclipse, Netbeans Variable and Data Type Java Loop Java Array
Object Oriented Programming	Objects and Classes Method Overloading this Keyword
Constructor	What is a constructor Default & Parameterised constructor Constructor overloading & Copy Constructor
Inheritance	Understanding about Structure,Pointer structure variable Passing reference of structure
Static	Static variable Static method, block
Java String Handling	String : What and Why? Immutable String String Comparison, String Concatenation, Substring Methods of String class StringBuffer, String Builder class
Abstract Classes & Interface	Abstract Method Abstract Class Inheritance of Abstract Classes Interfaces and its implementation Multiple Inheritance using Interfaces
Exception Handling	Exception Handling : What and Why? try and catch block Checked and unchecked Exceptions Multiple catch block finally block

	Exceptions vs Error throw / throws keyword Custom Exception
Multithreading	Concept of processes and threads Multithreading by extending Thread class Multithreading by implementing Runnable interface Thread Life cycle Thread synchronization: synchronized blocks and synchronized methods
Java Collection Framework	Introduction to Java collection framework Core collection interfaces and their implementations: Collection, Set, List
Database	Basic of SQL query Connecting to a Database Organizing a class that connects to a Database
Introduction Of Swing	Swing Introduction MVC Events & Listener
Swing Components	JComponent, JLabel, JButton, Actions JList, JComboBox
Containers And Frames	JPanel, JRootPane JDialog, JOptionPane