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| Topic | Sub-Topics |
| Conditional Flow of Control in Java | Switch Case in Java |
| Control Flow Statements in Java |
| Ternary Operator in Java |
| Loops in Java |
| For Each Loop in Java |
| Break Statement in Java |
| Continue Statement in Java |
| Exit Method in Java |
| Arrays in Java | Array in Java |
| One Dimensional Array in Java |
| Array Utilities in Java |
| Multidimensional Arrays in Java |
| Jagged Array in Java |
| Strings in Java | Strings in Java |
| String Pool in Java |
| Strings in Java vs Strings in C++ |
| StringBuffer Class in Java |
| Stringbuilder in Java |
| Difference Between String Buffer and String Builder |
| Collection Framework in Java | Iterable Interface in Java |
| ArrayList in Java |
| Vector Class in Java |
| List in Java |
| Stack and Queue in Java |
| Hashing and its Use Cases in Java |
| Set in Java |
| Hashmap in Java |
| Comparable and Comparator in Java |
| Deque in Java |
| OOPs Concepts in Java | OOPs Concepts in Java |
| OOP vs Functional vs Procedural |
| Static Method in Java With Examples |
| Abstraction in Java |
| Abstract Class in Java |
| Access Modifiers in Java |
| Encapsulation in Java |
| Difference Between Data Hiding and Abstraction |
| Inheritance in Java |
| This and Super Keyword in Java |
| Constructor in Java |
| Polymorphism in Java |
| Variable Hiding and Variable Shadowing in Java |
| Interface in Java |
| Difference between Abstract class and Interface in Java |
| Generics in Java |
| Exception Handling in Java | Exception Handling in Java |
| Exceptions vs Errors in Java |
| Java Stack Trace |
| Difference Between Throw and Throws in Java |
| Try, Catch and Finally in Java |
| Java IO Stream | Java I/O | I/O Streams in Java |
| Byte Stream and Character Stream |
| Create a File in Java |
| Getting File Information Using Java IO streams |
| JAVA IO - Write to a File using Java IO streams |
| How to Read a File in Java |
| Delete a File using Java IO Streams |
| Serialization in Java |
| Serialization and Deserialization |
| Multithreading | Java thread model |
| main thread |
| creating thread by implementing Runnable and extending thread class |
| creating multiple threads |
| using isAlive() and join() |
| thread priorities |
| Synchronization. |
| Generics | Introduction |
| Generic Example |
| Generic Class |
| Generic Method |
| Generic Constructor and Generic Interfaces. |
| JDBC Connectivity | Introduction |
| Architecture |
| Establishing JDBC |
| Database Connection. |
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