Java 2

1. Exception Handling

What is Exception

try and catch block

Multiple catch block

Nested try

finally block

throw keyword

Exception Propagation

throws keyword

Throw vs Throws

Final vs Finally vs Finalize

Exception Handling with Method Overriding

Custom Exception

2. Files

Create a file

Construct file path

Set the file permission

Read file with BufferedInputStream

Read file with BufferedReader

Write file with FileOutputStream

Write file with BufferedWriter

Append content to file

Delete a file

Delete files with certain extension only

Rename a file

How to convert File to byte[]

3. Java Generics

Java Generic Class

Java Generic Interface

Java Generic Type

Java Generic Method

Java Generics Bounded Type Parameters

Java Generics and Inheritance

Java Generic Classes and Subtyping

Java Generics Wildcards

Java Generics Upper Bounded Wildcard

Java Generics Unbounded Wildcard

Java Generics Lower bounded Wildcard

Subtyping using Generics Wildcard

Java Generics Type Erasure

4. Collections in Java

Java ArrayList

Java List Interface

Java HashSet

Java TreeSet

Queue & PriorityQueue

Collections class

Sorting Collections

ArrayList vs Vector

5. Threads

Creating Threads

Using Runnable

Synchronization

wait, notifyAll, and notify

Details of Waiting and Notification

Thread Scheduling

Deadlocks

Ending Thread Execution