

Java SE: Programming II

Functional Programming

- Functional Interfaces and Lambda Expressions
- Collections Streams, and Filters
- Built-in Functional Interfaces

Modular Programming

- Introduction to Modular Programming in Java
- Services in a Modular Application
- Migration to a Modular Application

Streams and Parallel Streams

- Concurrency
- Parallel Streams
- Terminal Operations: Collectors
- Creating Custom Streams

Java API Programming and Secure Coding Concepts

- I/O (Fundamentals and NIO2)
- Secure Coding
- Database Applications with JDBC
- Localization

Collections and Generics

- What is the Collections Framework?
- Iterators
- Type-Wrapper Classes
- What are Generics?

Exception Handling and Assertions

- Exceptions
- Error handling
- Assertions