- Day | Topic | Hands-on Task
- Day 1 | OOP Basics | Practice: OOP Basics
- Day 2 | Inheritance & Polymorphism | Practice: Inheritance & Polymorphism
- Day 3 | Abstraction & Encapsulation | Practice: Abstraction & Encapsulation
- Day 4 | Interfaces vs Abstract Classes | Practice: Interfaces vs Abstract Classes
- Day 5 | Static, Final, This, Super | Practice: Static, Final, This, Super
- Day 6 | OOP Practice Project | Practice: OOP Practice Project
- Day 7 | Collections Overview | Practice: Collections Overview
- Day 8 | Lists, Sets, Maps | Practice: Lists, Sets, Maps
- Day 9 | Collections Methods & Comparators | Practice: Collections Methods & Comparators
- Day 10 | Exception Handling Basics | Practice: Exception Handling Basics
- Day 11 | Custom Exceptions | Practice: Custom Exceptions
- Day 12 | Multithreading Basics | Practice: Multithreading Basics
- Day 13 | Thread Synchronization | Practice: Thread Synchronization
- Day 14 | Volatile & Locks | Practice: Volatile & Locks
- Day 15 | Streams API Basics | Practice: Streams API Basics
- Day 16 | Streams Advanced | Practice: Streams Advanced
- Day 17 | Optional & Method References | Practice: Optional & Method References
- Day 18 | Lambda Expressions | Practice: Lambda Expressions
- Day 19 | JDBC Basics | Practice: JDBC Basics
- Day 20 | SQL Basics | Practice: SQL Basics
- Day 21 | JDBC CRUD Mini Project | Practice: JDBC CRUD Mini Project
- Day 22 | Spring Framework Intro | Practice: Spring Framework Intro
- Day 23 | Spring Core (IoC, DI) | Practice: Spring Core (IoC, DI)
- Day 24 | Spring Boot Architecture | Practice: Spring Boot Architecture
- Day 25 | Starter Projects & AutoConfig | Practice: Starter Projects & AutoConfig
- Day 26 | App Properties & Profiles | Practice: App Properties & Profiles
- Day 27 | First Spring Boot App | Practice: First Spring Boot App
- Day 28 | Controllers & Mappings | Practice: Controllers & Mappings
- Day 29 | RequestBody & PathVariable | Practice: RequestBody & PathVariable
- Day 30 | Exception Handling in REST | Practice: Exception Handling in REST
- Day 31 | CRUD App with Service & Repository P | ractice: CRUD App with Service & Repositor
- Day 32 | Validation with @Valid | Practice: Validation with @Valid
- Day 33 | Spring Data JPA Overview | Practice: Spring Data JPA Overview

- Day 34 | JPA Repositories & Queries | Practice: JPA Repositories & Queries
- Day 3E5nti | ty Relationships (OneToMany, ManPyrTacotOi | cnee:)Entity Relationships (OneToMany, ManyT
- Day 36 | Hibernate Basics | Practice: Hibernate Basics
- Day 37 | MySQL/PostgreSQL Integration | Practice: MySQL/PostgreSQL Integration
- Day 38 | Full CRUD App (with DB) | Practice: Full CRUD App (with DB)
- Day 39 | Actuator & Monitoring | Practice: Actuator & Monitoring
- Day 40 | Configuration Management | Practice: Configuration Management
- Day 41 | Spring Boot Best Practices | Practice: Spring Boot Best Practices
- Day 42 | Error Handling Patterns | Practice: Error Handling Patterns
- Day 43 | Spring Security Basics | Practice: Spring Security Basics
- Day 44 | Authentication & Authorization | Practice: Authentication & Authorization
- Day 45 | Basic Auth & JWT | Practice: Basic Auth & JWT
- Day 46 | Role-Based Access Control | Practice: Role-Based Access Control
- Day 47 | Secure CRUD App | Practice: Secure CRUD App
- Day 48 | Microservices Overview | Practice: Microservices Overview
- Day 49 | Eureka Service Discovery | Practice: Eureka Service Discovery
- Day 50 | Spring Cloud Gateway | Practice: Spring Cloud Gateway
- Day 51 | Feign Client | Practice: Feign Client
- Day 52 | Central Config Server | Practice: Central Config Server
- Day 53 | Circuit Breaker (Resilience4j) | Practice: Circuit Breaker (Resilience4j)
- Day 54 | API Gateway Security | Practice: API Gateway Security
- Day 55 | Unit Testing (JUnit, Mockito) | Practice: Unit Testing (JUnit, Mockito)
- Day 56 | Testing Service Layer | Practice: Testing Service Layer
- Day 57 | Testing Controllers | Practice: Testing Controllers
- Day 58 | Docker Basics | Practice: Docker Basics
- Day 59 | Dockerize Spring App | Practice: Dockerize Spring App
- Day 60 | Intro to Kubernetes | Practice: Intro to Kubernetes
- Day 61 | Deploy to Local Kubernetes | Practice: Deploy to Local Kubernetes
- Day 62 | Monitoring Microservices | Practice: Monitoring Microservices
- Day 63 | Microservices Best Practices | Practice: Microservices Best Practices
- Day 64 | Kafka Overview | Practice: Kafka Overview
- Day 65 | Producer-Consumer Implementation | Practice: Producer-Consumer Implementation
- Day 66 | Messaging with RabbitMQ | Practice: Messaging with RabbitMQ
- Day 67 | Caching with Spring Cache | Practice: Caching with Spring Cache
- Day 68 | Redis Basics | Practice: Redis Basics

- Day 69 | Redis Cache in Spring Boot | Practice: Redis Cache in Spring Boot
- Day 70 | Performance Tuning | Practice: Performance Tuning
- Day 71 | Spring Boot Logging | Practice: Spring Boot Logging
- Day 72 | Layered Architecture | Practice: Layered Architecture
- Day 73 | Capstone Kickoff | Practice: Capstone Kickoff
- Day 74 | Capstone Product Service | Practice: Capstone Product Service
- Day 75 | Capstone User Service | Practice: Capstone User Service
- Day 76 | Capstone Order Service | Practice: Capstone Order Service
- Day 77 | Capstone Payment Service | Practice: Capstone Payment Service
- Day 78 | Capstone Notification Service | Practice: Capstone Notification Service
- Day 79 | Capstone Security Layer | Practice: Capstone Security Layer
- Day 80 | Capstone Testing All Services | Practice: Capstone Testing All Services
- Day 81 | Capstone Docker Compose Setup | Practice: Capstone Docker Compose Setup
- Day 82 | Capstone Kubernetes Deployment | Practice: Capstone Kubernetes Deployment
- Day 83 | Capstone Final Review | Practice: Capstone Final Review
- Day 84 | Capstone Resume Preparation | Practice: Capstone Resume Preparation
- Day 85 | Capstone Mock Interview & Wrap-upP | ractice: Capstone Mock Interview & Wrap-u
- Day 86 | Buffer/Revision Day | Practice: Buffer/Revision Day
- Day 87 | Buffer/Revision Day | Practice: Buffer/Revision Day
- Day 88 | Buffer/Revision Day | Practice: Buffer/Revision Day
- Day 89 | Final Project Submission | Practice: Final Project Submission
- Day 90 | Final Self-Assessment | Practice: Final Self-Assessment