

Introduction to Spring

- ✓ What is Spring
- ✓ How Spring fits into the Enterprise world
- ✓ Spring Modules

Spring Core(Basic Concepts) Theory/Practical

- ✓ What is a Core Container
- ✓ Introduction to IOC
- ✓ Types of DI
- ✓ Setter VS Constructor
- ✓ Resolving Constructor Confusion
- ✓ Collection DI
- ✓ Bean Inheritance
- ✓ Collection Merging
- ✓ Inner Beans
- ✓ Using IDRef
- ✓ Bean Aliasing
- ✓ Bean Scopes
- ✓ Inner Beans
- ✓ Null String
- ✓ Bean Auto wiring
- ✓ Nested Bean Factories
- ✓

Spring Core (Advanced

Concepts) Theory/Practical

- ✓ P – Namespace
- ✓ Dependency Check
- ✓ Depends On
- ✓ Factory Beans
- ✓ Static Factory Method
- ✓ Instance Factory Method
- ✓ Aware Interfaces
- ✓ Bean Lifecycle

- ✓ Method Replacement
- ✓ Lookup Method Injection
- ✓ Property Editors
- ✓ Bean Factory Postproces

Spring Core (3.0Annotations)

Theory/Practical

- ✓
- ✓ Spring VS Java Config Project annotations
- ✓ Required
- ✓ Autowire
- ✓ PostConstruct
- ✓ PreDestroy
- ✓ Qualifier
- ✓ Resource
- ✓ Component
- ✓ Service
- ✓ Controller
- ✓ Named
- ✓ Various Annotation based Post Processors
- ✓ (AutowiredAnnotationBeanPostProcessor ,
- ✓ CommonAnnotationBeanPostProcessor ,
- ✓ PersistenceAnnotationBeanPostProcessor ,
- ✓ RequiredAnnotationBeanPostProcessor)

Spring AOP Theory/Practical

- ✓ AOP Concepts
- ✓ Programmatic VS Declarative AOP
- ✓ Programmatic AOP
- ✓ Types of Advices
- ✓ Types of Pointcuts
- ✓ Working with proxies

- ✓ Declarative AOP
- ✓ Using AOP 2.0 Config element
- ✓ OGNL Expressions
- ✓ Aspect J AOP
- ✓

Q & A Question and Answers

Spring Tx Theory/Practical

- ✓ Aop 2.0 Configuration driven Transaction Management
- ✓ Aspect J annotation based Transaction Management

Spring JDBC Theory/Practical

- ✓ What is DAO pattern?
- ✓ Ways to implement Spring DAO
- ✓ Choosing an approach for JDBC database access
- ✓ JDBC Template
- ✓ Executing Statements
- ✓ Running Queries
- ✓ SQL Parameters

Spring MVC Theory/Practical

- ✓
- ✓ Spring 3.0 features
- ✓ Introduction to Spring MVC
- ✓ Handler Mapping
- ✓ Controllers
- ✓ Validations
- ✓ Handler Interceptors
- ✓ Views
- ✓ Form tags

Spring ORM Spring Integration with ORM

- ✓ Integrating with Hibernate
- ✓ Creating and Injecting Hibernate Session Factory
- ✓ Managing Transaction