

360ITEmpire Course on Spring MVC

Duration: 4 Days

Sr.No.	Lesson Name	Sub Topic
1		
		Introduction to Spring
		What is Spring?
		Overview of the Spring Framework
		Spring Philosophies
		Spring Modules and architecture
2		
		A First Look at Spring
		A Simple Example
		Wiring Beans
		Configuring a Properties File
		Schema-Based Configuration
3		
		Beans and Containers
		Spring Containers
		Spring Configuration File
		Spring Beans
		Using the Container
		The BeanFactory Interface
		The ApplicationContext Interface
		Singleton vs. Prototype
		Bean Naming
		Dependency Injection
		Setter Injection
		Constructor Injection
		Autowiring
		Autowiring through configuration
		Autowiring by type and by name
		Autowiring using @Autowired, @Qualifier and @Resource
4		
		The Bean Life cycle
		Configuration of initialization methods
		The InitializingBean and DisposableBean interfaces
		The @PostConstruct and @PreDestroy annotations

5		
		Aspect-Oriented Programming
		Aspect-Oriented Programming
		AOP Concepts
		AOP Proxies
		Advices, Joinpoints and pointcuts
		Types of advices, their ordering and different pointcuts
		Using JDBC with Spring
		A Simpler Approach
		The JdbcTemplate Class
		Exception Translation
		Updating with the JdbcTemplate
		Queries using the JdbcTemplate
		Mapping Results to Java Objects
		Spring MVC
		Spring model-view-controller (MVC) overview
		Understanding lifecycle of the request in Spring MVC
		DispatcherServlet
		Handlers
		Controller programming model overview
		View Resolvers
		Spring MVC views
		Simplifying configuration
		Spring MVC Mapping Handlers
		SimpleUrlHandlerMapping
		BeanNameUrlHandlerMapping
		Exception Handlers and their mappings
		Designing exception pages
		Handler Configuration
		Form Controllers
		Simple form controller
		Multi action controller
		Form wizard controller

		Using JSP Views in Spring MVC
		Views and view resolvers
		Setting up a view resolver chain
		Alternating views