

Training Requirement on MS Sql, Spring boot, Spring, Angular

Duration: 13 Days

Day Wise Schedule

Day	Module	Day Wise Coverage
01	Spring Basics	Introduction to Spring Framework Various modules in Spring Framework Benefits of using Spring framework in Java Projects. Overview of IOC Instantiating Spring IoC container Implementing Spring DI (Dependency Injection) using XML and annotation based configuration, setter and constructor-based injections Implementing Spring DI (Dependency Injection) using annotations based configuration, Setter and constructor-based injections
02	Spring Bean Factory	Injecting collections in to beans e.g List, Set, Map, Properties Dependency check within beans Autowiring using XML Autowiring using Annotation Implementing Bean inheritance Automatic scanning of components Identifying different Bean scopes, singleton and prototype Initialization and destruction (Init-method and destroy method)/@Postconstruct and @PreDes Recognizing Bean Inheritance Externalizing bean configuration
03	Spring JDBC	Configuring Data Source Implementing Jdbc Template and updating the database Using a JDBC Template to Query a Database Implementing Row Mapper and querying the database Using Jdbc DAO Support and updating the database Handling exceptions and customizing exception handling Benefits of integrating Spring with Hibernate. Using Hibernate Template to do database operations. Using Hibernate contextual session. Using Hibernate Dao support class. Recognizing the importance of transaction management Programmatic and declarative transaction management Spring Transaction Manager transaction Attributes, Propagation behaviour, Isolation Level, read-only status, Timeout, Rollback Introduction to Data Definition Language
04	Spring MVC Basics	Spring MVC architecture Request Life Cycle in Spring MVC Introduction to Dispatcher Servlet Web Application Context Context Hierarchy in Spring Web MVC

		Hands On
08	Angular Basics	Angular-cli (Setting up environment) Writing a hello world app Running the hello world app. Creating a component Importing Dependencies Components Templates: Inline, Multi-line, and External with Component-relative Paths Angular Modules (Ng Module) Angular Modules vs. ES Modules Adding CSS to the component Adding Data to the component Example App – Demo on the basic concepts Hands on
09	Data Binding	Interpolation Property binding Event binding Two-way data binding Hands On
10	Built-in Directives Service & Dependency Injection	Structural: Ng For, ngIf, Ng Switch Attribute: Ng Class, ng Style Angular Pipes Hands On Understanding Dependency Injection Angular's Dependency Injection System Creating a data provider service Registering services with Angular Modules Injecting a service into a components Hands On
11 - 13 Day	MS SQL Server	SELECT statement - Conditions, Sorting INSERT, UPDATE, DELETE SELECT JOINS (3 or more tables) Basic understanding of Execution Plan