Spring Six Days (42 Hr) Framework Schedule

Module 1, Spring Core [Day 1]

1. Understanding IOC and DI
2. Setting up development environment using Using Jars and Maven.
3. Implementing DI using XML.
4. Implementing Collection and Reference based DI Using XML.
5. Bean Scopes and Lifecycle methods.
6. Understanding Autowiring.
7. Implementing DI using Annotations.
8. Implementing bean scope and lifecycle using annotations.
9. Implementing DI using Java Config Class.

Module 2, Spring MVC [Day 2 and 3]

1. Setting up Development environment.
2. Understanding Spring MVC architecture and lifecycle.
3. Understanding Directory Structure , Web.XML and Spring XML file.
4. Creating Controller and View.
5. Reading HTML form Data.
6. Adding data to Spring Model and Understanding @ModelAttribute
7. Binding data with Request Param.
8. Data binding using Collections and User defined type.
9. @InitBinding and WebDataBinder.
10. Request Mapping (Controller level).
11. Spring MVC - Basic Form tags
12. Spring MVC - Validation Rules.
13. Spring MVC - Interceptors
14. Internationalization and Localization.
15. Exception Handling

Module 3, Spring REST [Day 4]

1. Web Services Introduction.
2. Spring Restful Implementation.
3. CURD Application.
4. Error and Exception Handling.
5. HATEOAS.
6. Design Pattern.

* Hibernate, SQL and JDBC pre knowledge is mandatory.

Module 4, Spring AOP [Day 5]

1. Understanding Spring AOP Requirement.
2. @Before Advice.
3. Pointcut Expression
4. Ordering Ascpets.
5. JoinPoint
6. @After advices.
7. @AfterReturing
8. @AfterThrowing Advices.
9. @Around Advices.

Module 5, Spring Data* [Day 6]

Spring Database handling using JDBC

Module 6, Spring Hibernate* [Day 6]

Spring Database handling using Hibernate

Module 7, Understanding Design Pattern*. [Day 6]

developing Spring Application

* Hibernate, SQL and JDBC pre knowledge is mandatory.