



Lecture Spring



List of Concepts Involved:

- Spring Introduction
- Spring core
- Spring Boot
- Introduction to Spring MVC
- Spring MVC Architecture

Topics covered Yesterday's Session:

- Hibernate Framework

Spring Introduction

Java Learning is all about 3 things

- a. Java Language(Core java course)
- b. Java Technology(JDBC,Servlet,JSP,JSTL,EJB's,JMS,...)
- c. Framework(Hibernate,Spring,SpringBoot,Rest Api's,...)

Different types of Framework to build application

- a. Web application based framework
- b. ORM Framework
- c. Application Framework
- d. Distributed Application Development framework etc....

How Spring evolved?

- 1995 => Applet
- 1996 => JavaBean
- 1998 => EJB (Enterprise java Bean)
- 2002/2003 => **Spring Framework** -----> Rod Johnson

Is Spring alternative to EJB, Struts technology?

- **Spring vs EJB**

Answer. No, Spring framework is used to develop all kinds of app.

Web Services are alternative to EJB's.

- **Spring Vs Struts**

Answer. No, Struts will be used to build only web based application

Spring can be used to build any type of application.

SpringMVC is an alternative to Struts.

Is Spring alternative to Hibernate, JEE technology?

- **Spring vs Hibernate**

Answer. NO, hibernate is orm framework to build persistence logic

Spring has its own orm module through which it promotes abstraction

Spring ORM, SpringDataJPA is an alternative to hibernate.

- **Spring vs JEE(Java Enterprise Edition)**

Answer. No, JEE is a technology which gives api for persistence logic and building webapps.

Where as Spring provides an abstraction on top of JEE api's

Spring JDBC → JDBC, SpringMVC → Servlet, JSP

Spring Core

- It is base module for other modules
- This module is given to supply Spring Containers to perform Dependency management.
- This module gives 2 spring containers/IOC[Inversion Of Control] containers called
 - BeanFactory
 - ApplicationContext(Latest one)

Spring Applications can be developed in 4 approaches

1. XML approach(only used in maintenance projects).
2. using Annotation driven configuration.
3. using java code configuration.
4. using Spring boot auto driven configuration.

Dependency Injection in setter way

[Link](#)



▶ THANK YOU ◀