

1.	SPRING FRAMEWORK
	What is Spring Framework?
	Spring Modules
	What is Maven?
	Steps to Create a Maven Spring Project
	Catalog and Archetype in POM.XML
	Spring Core Module: <ul style="list-style-type: none"> • Inversion Of Control(IOC) • ApplicationContext Interface • BeanFactory vs ApplicationContext • Creating Beans in Spring • Dependency Injection(DI) • Autowiring • Modes of Autowiring • Autowiring using Annotations • Stereotype Annotations • Bean Inheritance
	Spring AOP Module: <ul style="list-style-type: none"> • AOP Terminologies • Types Of Advice • Steps to Create a Spring AOP project • Pointcut Expressions
	Spring JDBC Module: <ul style="list-style-type: none"> • Steps to Create a Spring JDBC project • JDBC v/s Spring JDBC Connections • Spring JDBC Configuration
	Spring MVC Module: <ul style="list-style-type: none"> • What is Spring MVC? • Spring MVC Architecture • Front Controller(Dispatcher Servlet) • Steps to create Spring MVC project • Solving Common Project Errors • Basic Configuration Steps • Useful Annotations • Useful Objects (To Send Model to View)
	Spring ORM Module: <ul style="list-style-type: none"> • What is Spring ORM? • Steps to create Spring ORM project • An ORM Tool: Hibernate • Useful Classes and Their Properties • Java to Jakarta Migration • Compatibility Matrix(For, Spring, Hibernate, Java, Tomcat versions) • Dependency List • Schema List
2.	HIBERNATE FRAMEWORK
	What is Hibernate Framework?
	POJO to Table Mapping

	Steps to create Hibernate project
	Hibernate Advantages
	Hibernate Configurations
	Useful Classes and Interfaces
	Useful Annotations
	Useful methods for DB Operations
	get() v/s load()
	Table Relationship: One to One, One to Many, Many to One, Many to Many
	Bidirectional Mapping
	Bidirectional Mapping Drawback
	Mapping Rules
	Useful Mapping Annotations
	Cascading
	HQL
	CRUD operations using HQL
	Criteria API
	Criteria API Useful Classes
	Pagination
	Caching: First level cache, Second level cache
3.	SpringBoot framework
	What is Spring Boot?
	Spring Boot Advantages
	Spring Boot Dependency Management
	Spring Boot Auto Configuration
	Steps to create first Spring Boot App
	Spring Data JPA
	CrudRepository v/s JpaRepository
	ReSTful API
	Steps to create ReST API
	Types of Http Requests for Rest API
	Useful Annotations
	Postman
	JSON Object
	ReST API v/s SOAP API
	MicroServices Basics
	MicroServices Advantages
	Steps to create a MicroService
	Rest Template
	Eureka Server
	Steps to create Eureka Server
	Properties file for Eureka Server
	Register MicroService with Eureka Server
	Spring Boot Security