

## Assignment: 5

1. **What is the Spring Framework?**

Explain the key features and benefits of using Spring in enterprise application development.

2. **Describe the Spring Architecture.**

Explain the principles of Dependency Injection (DI) and Aspect-Oriented Programming (AOP) in the context of Spring.

3. **Explain the various Spring Modules.**

Discuss the core container, data access/integration, web, and miscellaneous modules with examples.

4. **What is Autowiring in Spring?**

Describe the different autowiring modes and their use cases. Mention the advantages and disadvantages.

5. **What is ApplicationContext in Spring?**

Discuss its purpose and list at least four different implementation classes with use cases.

6. **Explain Annotation-based Configuration in Spring.**

What annotations are commonly used, and how do they simplify Spring configuration?

7. **Differentiate between BeanFactory and ApplicationContext.**

Compare their features and use scenarios in Spring applications.