**Spring Framework**

1. Framework is predefined functionalities/code provided by any third party which can be use to reduce development efforts, time and minimize the errors.
2. Spring Framework is also known as framework of framework.
3. Spring distributed into a multiple module which can be use either separately or can be use in the combination of multiple modules.
4. Some of the important modules are listed below

**Spring IOC/Core**

Spring MVC

**Spring JDBC**

**Spring ORM (JPA/Hibernate)**

**Spring REST**

Spring Security

Spring JMS

Spring Batch

Spring Cloud etc…

1. To Implement any of the spring module you have to follow 3 steps at higher level.
   1. Add a jar files (Dependencies)
   2. Add Configuration of the module (by Spring suggested way)
   3. Customize the spring functionalities (Optional)
   4. Use/Implement the functionalities provided by Spring

**Spring IOC (Inverse Of Control)**

1. Spring IOC is also called as spring core.
2. This is the base module of the spring.
3. It can be implemented for core java application, Web App, Restful API Application etc…
4. In this module you will majorly implement following functionalities
   1. Spring Configuration.
   2. Spring Bean Class.
   3. Spring Container.
   4. Create/Get the spring bean class object using Spring Container.
   5. Spring Bean scope
   6. \*\*\*Spring CI(Constructor Injection), SI(Setter Injection), DI(Dependency Injection)
   7. \*\*\*Spring Autowire
5. Dependencies (jar) for Spring IOC
   1. Spring-core
   2. Spring bean
   3. Spring context

