**Spring**

* Spring is just a dependency injection framework. Spring focuses on the "plumbing" of enterprise applications so that teams can focus on application-level business logic, without unnecessary ties to specific deployment environments.
* First half of the 2000 decade! EJBs
* EJBs were NOT easy to develop.
* Write a lot of xml and plumbing code to get EJBs running
* Impossible to Unit Test
* Alternative - Writing simple JDBC Code involved a lot of plumbing
* Spring framework started with aim of making Java EE development simpler.
* Goals
* Make applications testable. i.e. easier to write unit tests
* Reduce plumbing code of JDBC and JMS
* Simple architecture. Minus EJB.
* Integrates well with other popular frameworks.

**Applications with Spring Framework**

* Over the next few years, a number of applications were developed with Spring Framework
* Testable but
* Lot of configuration (XML and Java)
* Developing Spring Based application need configuration of a lot of beans!
* Integration with other frameworks need configuration as well!
* In the last few years, focus is moving from monolith applications to microservices. We need to be able to start project quickly. Minimum or Zero start up time
* Framework Setup
* Deployment - Configurability
* Logging, Transaction Management
* Monitoring
* Web Server Configuration

**Spring Boot**

* Spring Boot makes it easy to create stand-alone, production-grade Spring based Applications that you can “just run”.
* We take an opinionated view of the Spring platform and third-party libraries so you can get started with minimum fuss.
* Example Problem Statements
* You want to add Hibernate to your project. You dont worry about configuring a data source and a session factory. I will do if for you!
* Goals
  + Provide quick start for projects with Spring.
  + Be opinionated but provide options.
  + Provide a range of non-functional features that are common to large classes of projects (e.g. embedded servers, security, metrics, health checks, externalized configuration).

**What Spring Boot is NOT?**

* It’s not an app or a web server
* Does not implement any specific framework - for example, JPA or JMS
* Does not generate code