What is Spring?

Spring is a comprehensive framework for Java development, providing infrastructure support for building applications.

What is Spring Boot?

Spring Boot is an extension of Spring that simplifies application setup with auto-configuration, embedded servers, and opinionated defaults.

Relation between Spring platform and Spring Boot?

Spring Boot is part of the Spring ecosystem, built on top of Spring Framework, making it easier to create standalone Spring applications.

Relation between Spring platform and Spring framework?

The Spring platform includes multiple projects (like Spring Framework, Spring Boot, Spring Security). The Spring Framework is the core, providing DI and IoC features.

What is Dependency Injection (DI) in Spring?

DI is a design pattern where dependencies are provided to a class (instead of creating them internally). In Spring, DI is done via @Autowired, constructor injection, or XML configuration.

What is Inversion of Control (IoC) in Spring?

IoC is a principle where control of object creation and lifecycle is handed to a container (Spring IoC container). Spring achieves IoC via Dependency Injection.