**1. What is Spring?**

Spring is a powerful Java framework that helps developers build enterprise-level applications. It provides tools for dependency injection, web development, data access, and more.

**2. What is Spring Boot?**

Spring Boot is an extension of the Spring framework that simplifies application setup by offering auto-configuration, an embedded server (like Tomcat), and starter dependencies.

**3. What is the relation between Spring platform and Spring Boot?**

The Spring platform is a collection of related Spring projects (like Spring Framework, Spring Data, Spring Security).  
Spring Boot is part of the Spring platform that simplifies working with those projects by reducing boilerplate and configuration.

**4. What is the relation between Spring platform and Spring framework?**

The Spring framework is the core module of the entire Spring platform.  
The platform includes other projects built on top of the core (e.g., Spring Boot, Spring Cloud, Spring Security).

**5. What is Dependency Injection and how is it done in the Spring platform/framework?**

Dependency Injection is a design pattern where dependencies are provided to a class from the outside instead of being created inside the class.

In Spring, it’s done using annotations like @Autowired.

**6. What is Inversion of Control (IoC) and how is it related to Spring?**

Inversion of Control means the framework (Spring) controls object creation and dependency management instead of the programmer.

In Spring, the IoC Container (like ApplicationContext) injects dependencies automatically.

Example: When you annotate classes with @Component, Spring creates the object and manages it for you.