**What is Spring?**

**Spring** is a **Java-based framework** used to build enterprise-level applications. It provides tools for managing dependencies, security, data access, and more.

**What is Spring Boot?**

**Spring Boot** is a tool built on top of Spring that makes it **easier and faster** to develop Spring applications with **minimal configuration**.

**Relation between Spring Platform and Spring Boot**

Spring Boot is part of the **Spring platform**. It **simplifies** the development process by auto-configuring Spring components and reducing boilerplate code.

**Relation between Spring Platform and Spring Framework**

The **Spring Framework** is the **core** part of the Spring platform. The Spring platform includes the framework plus other projects like Spring Boot, Spring Data, Spring Security, etc.

**What is Dependency Injection and how is it done in Spring?**

**Dependency Injection (DI)** is a design pattern where dependencies are **provided to a class**, rather than the class creating them.  
In Spring, DI is done using **annotations** like @Autowired, or through **XML configuration**.

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

**IoC** means giving control of creating and managing objects to a container.  
In Spring, the **IoC container** manages objects and their dependencies automatically — this is the core concept behind Spring’s **Dependency Injection**.