1. **Introduction to STS (Spring Tool Suite) 1.** **What is Spring Tool Suite (STS)?**

• **Theory:**

**1.Overview of STS: An Eclipse-based IDE for developing Spring applications:-** Spring Tool Suite (STS) is a customized version of Eclipse IDE, designed specifically for developing Spring-based applications. It provides built-in support for Spring Boot, Spring MVC, Spring Data JPA, and other Spring technologies, making development easier and more efficient.

**2. Key features and benefits of using STS, including built-in support for Spring Boot, easy dependency management, and a robust debugging environment:-**

**Key Features of STS**

**1️Built-in Support for Spring Boot**

Pre-configured environment for **Spring Boot applications**  
Spring Boot **Dashboard** for managing applications  
 **Auto-configuration support** to reduce manual setup  
 Supports **Spring Initializr** for quick project creation

**2️Easy Dependency Management**

**Maven & Gradle integration** for effortless dependency management Easily **add, update, and remove** dependencies using a graphical interface  
**Auto-downloads required JAR files** to keep projects updated

**3️Robust Debugging Environment**

Set **breakpoints** and debug Spring applications efficiently  
Integrated support for **Spring Boot Actuator** for monitoring app performance  
**Live Reload** feature allows instant updates without restarting the server  
**Real-time logs** and error tracking