Lab – 1

1. Download Lombok.jar using this link <https://projectlombok.org/download>
2. If the STS IDE is open close it
3. Double Click on the Downloaded Jar file
4. Add the Location of the STS installation folder
5. In the STS installation folder look for the open the springToolSuiter.ini
6. Look for an entry javaagent added with Lombok jar reference.
7. Open the STS again

Lab - 2

1. Constructor Injection - @AutoWired

2. Setter Injection - @Autowired

3. Passing Bean References of Bean to a Method annotated with @Bean

4. Using multiple Configuration classes and resolving bean with @Qualifier

Lab - 3

1. Autowired - @Qualifier,@Primary
2. Singleton-Prototype
3. Eager-Lazy
4. LifeCycle Methods

Lab -4

1. Create a Spring Starter Project with web,lombok,data jpa and mysqldriver

2. Create an Entity Class add @Entity,@Table,@Id,@Column annotations

3. Create an Interface by extending JPA Repository

4. Create a Java Class annotate with @Service and wire Repository

5. Create a Java Class Annotate with @RestController

6. In the controller class add @GetMapping,@PostMapping etc

7. Test the application with POSTMan

Assignment -1

Create a Java class SalesOrder with properties like int orderId, createdDate,Customer customer, List<Item> itemList

Use Spring DI and Inversion control and the print the orderDetails

and the List of Items on the console.

=> Create Three classes namely SalesOrder,Customer,Item

=> Create a Configuration class and Register the beans

=> From the Main method get the Bean and print the details