**What is JPA(Java Persistence API)?**

The JPA provides a specification for presenting, reading, and managing data from java object to relational tables in the database.

Object Relational Mapping is simply the process of persisting any java object directly to a database table. Usually the name of the object being persisted becomes the name of the table, and each field within that object become column.

JPA specifies the set of rules and guidelines for developing interfaces that follows standard.

JPA is just guidelines to implement ORM and there is no underlying code for the implementation.

**Hibernate**

Hibernate is Object Relational Mapping tool that provides an implementation of JPA. Hibernate is one of the most mature JPA implementations around, with a huge community backing the project.

Hibernate provides a reference implementation of java Persistence API, that makes it a great choice as an ORM tool with benefits of loose coupling.

In short, JPA is the interface while Hibernate is the implementation.

**Spring data JPA**

Spring Data is a part of the Spring framework. The goal of Spring Data repository abstraction is to significantly reduce the amount of boilerplate code required to implement data access layers for various persistence stores.

Spring Data JPA is not a JPA provider. It is a library/framework that adds an extra layer of abstraction on the top of our JPA provider(like Hibernate).

Difference between Hibernate and Spring Data JPA

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| Hibernate | Spring Data JPA |
| Hibernate is a JPA implementation  (JPA provider) | * Spring Data JPA is JPA Data Access abstraction. * Spring data Offers a solution to genericDao custom implementations. * IT can generate JPA queries on on your behalf through method name conventions. * With spring data we can use Hibernate, Eclipse link or any other JPA provider. * Spring Data JPA is not an implementation or JPA provider, it’s just an abstraction used to significantly reduce the amount of boilerplate code required to implement data access layers for various persistence stores. * Spring Dat JPA always requires the JPA provider such as Hibernate,Eclipse link etc |