**SOURCE** : **IN 28 Mins Videos on Spring Data JPA**

**JDBC:**

Writes a lot of SQL queries  
And Writes a lot of java code (connection,prepare statement and all)

**Spring JDBC:**

Writes a lot of SQL queries  
But lesser java code.

**IMP Points:**

In sql query you need to mention string in single quotes ‘’  
In java query you need to mention it in double quotes “”  
**RowMapper** will convert each row in result set to a respective bean.

**Points in application.properties file**

#to see h2 in console view (localhost:8080/h2-console) use  
spring.h2.console.enabled = true

#for creating a static url to login into h2 console use this  
spring.datasource.url = jdbc:h2:mem:<anyName>   
eg: spring.datasource.url = jdbc:h2:mem:testdb

**JPA – Java Persistence API**

Do not worry about query’s  
just map entities to tables.  
uses Entity Manager

**IMP points:**

For doing CRUD operation along with @Repository you need to add **@Transaction** below @Repository annotation.

**Points in application.properties file**

#if you are using JPA and want to see the sql query’s generated, use below  
**spring.jpa.show-sql = true**

**Spring Data JPA:**

Makes JPA even more simple.  
will take care of everything.  
have lot of inbuild methods and we can write custom by using findByName etc…

**Hibernate VS JPA**  
JPA defines the specification. It is an API.  
Hibernate is one of the popular implementations of spring data JPA.  
Using Hibernate directly would result in a lock into Hibernate.  
Eg of other JPA implementation: Toplink

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