

JAVA PERSISTENCE API (JPA)

- * Spring Boot JPA is a Java specification for managing relational data in Java applications. It allows us to access and persist data between Java object/ class and relational database.
- * JPA is not a framework. It defines a concept that can be implemented by any framework.

Why JPA ??

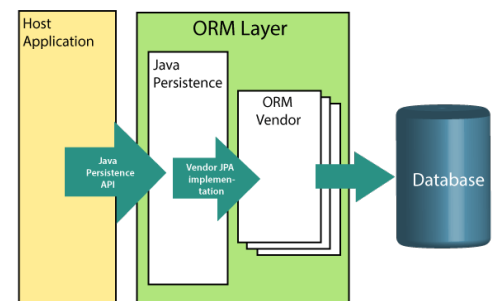
In JPA, data is represented by objects and classes.

Object Relational Mapping (ORM)

The mapping of Java objects to database tables, and vice-versa is called Object-Relational Mapping. The ORM mapping works as a bridge between a relational database (tables and records) and Java application (classes and objects).

HOW ORM WORKS ??

- > **ORM layer exists between the application and the database.**
- > **It converts the Java classes and objects.**
- > **By default, the name that persists become the name of the table, and fields become columns.**
- > **each table row corresponds to an object.**



What Is Hibernate ??

- > Hibernate is an ORM framework that deals with data persistence.
- > Hibernate is the provider of JPA.
- > It provides implementation classes.
- > It uses its own query language called HQL (Hibernate Query Language).

DEPENDENCY =====>

```
<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-data-jpa</artifactId>
<version>2.2.2.RELEASE</version>
</dependency>
```