Milbernate / SPA Crud

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O RM: Object - To - Relational Mapping (ORM) | dass - [Hebernate + 20]

Java annotations

O JPA: Standard API for ORM. Hibernate is a JPA like Elipselish wPA entity Manager:

Retrewer Object with JAA: contity Manager, find (Stubert, class, the Jd);

Pa besoin faire low-level SQL

Save Object with JPA: whity Manager, period (student); o Hilamate handles all low-level SQL.

o ORM: Object - To - Relational Mapping (ORM) das - Hebernal + ED

Java annotations · Save Object with 3 PA: whity Manager . persent (student); Hiber ate / JPA and JDBC layer of JDBC JDBC: Java Database Connectivity

GATlore Java hogiam to access database and
other data resources. spring student des configurations de dans application properties Command Line Runner - executed when all beans are loaded run specific code at startup

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Entity class . D Entity · polic / protecte d constructor 1. Map Class to ditabase table. 20 Mup fields to database domns Juffrent naming (optional) & Column (name = "pield_in_db")

if not specified, column name some as Java field. Same for a Table -> for table name · PK Generated Values 10 Generation Strategies Auto Identity Sequence arcton strate gy Entity Manager: main component creating queries Data Acres Object: responsable interact with db Sudent Entity Manager Data Sources of db & Reputing S'Comme helper class qui communique avec d'b Datasource:-connection info - created by Spring boot ex: sove();

Ja Repository vs Entry Manager
Jou Repository:

Ouse it when high level repository

out of the box CRVD operations

Ouston query using Dawy Entity Monager: - store procedures - rane SQL Carolisanar & « Auto begin and end horsadion for JPA code o Mettre en tête mélhodo → Add, update a Repository o for DAO annolations o register DAO implementation · Save: entity Manager. persist ()
· Pead: entity Manager. find (Student. doo. 1)
· returns null if den't find = Named Parameters: whilises use variable dans too entity manager a find All: entity Manager, create Query

Pepepepeng and a pepepeng and a pepeng a pepeng and a pepeng and a pepeng and a pepeng and a pepeng an

7777 Update: 1. find 2. perform the update -> entity Manage, merge (student); 1. find 2. remove() ou bein outry Monager create Query ("DELETE FROM Stylid) executed polatic(), delete: Create de from Java Code:
application. properties -> spring. jpa. hibernate-dell-auto=auto Many types like:

o create: every time run: drop table, create table

o update: beep previous date