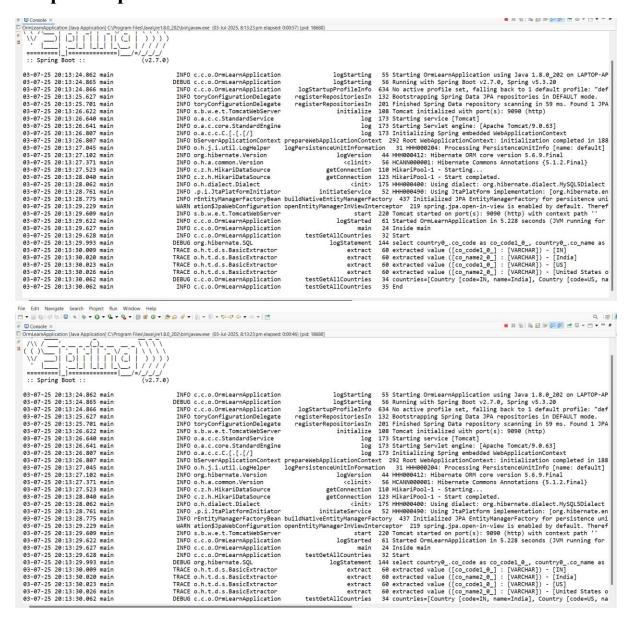
WEEK 3

SPRING DATA JPA

Spring Data JPA - Quick Example

Output snapshots:



```
File Edit Navigate Search Project Run Window Help
                                                                                                                                                                                                                           □C:\WINDOWS\system32\cmdexe - mwn spring-bootrun x □C:\WINDOWS\system32\cmdexe using Java 21.0.6 on LAPTOP-APTNITHN with PID 11704 (D:\Dhaarini\spring_jpa\orm-learn\target\classes started by Lenovo in D:\Dhaarini\s
  pring_jpa\orm-learn)
03-07-25 20:15:24.030 main
                                                               DEBUG c.c.o.OrmLearnApplication
                                                                                                                                logStarting 56 Running with Spring Boot v2.7
 che Tomcat/9.0.63]
03-07-25 20:15:25.392 main
                                                                 INFO o.a.c.c.C.[.[.[/]
                                                                                                                                             log 173 Initializing Spring embedded
  03-07-25 20:15:25.392 main

WebApplicationContext

03-07-25 20:15:25.392 main

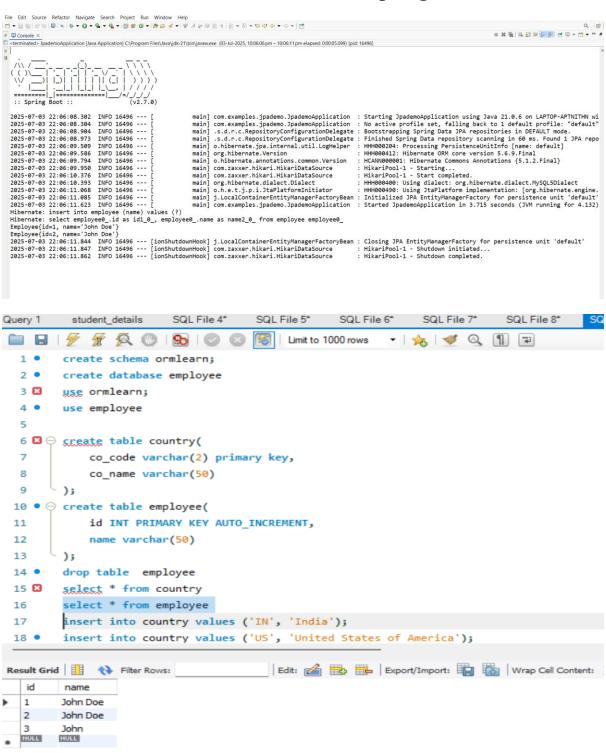
: initialization completed in 1294 ms

03-07-25 20:15:25.568 main

03-07-25 20:15:26.864 main
                                                                 INFO bServerApplicationContext prepareWebApplicationContext 292 Root WebApplicationContext
                                                                 INFO o.h.j.i.util.LogHelper logPersistenceUnitInformation 31 HHH000204: Processing Per INFO rEntityManagerFactoryBean buildMativeEntityManagerFactory 437 Initialized JPA EntityManagerFactory for persistence unit
 | 103-07-25 20:15:26.864 main | 105 rentityManagerFactory bean buildNativeEntityManagerFactory | 437 Initialized JPA EntityManagerFactory for persistence unit 'default' | 487 default' | 487 default' | 487 default' | 488 default | 488 defaul
  America]
03-07-25 20:15:27.685 main
                                                                DEBUG c.c.o.OrmLearnApplication
                                                                                                                      testGetAllCountries 34 countries=[Country [code=IN, name=India], Country [code=US, name
                            Student_details
                                                                         JUL I IIE 4
Query I
                                                                                                                     OULTHED OULTHE?
  create database employee
       3 🖾
                           use ormlearn;
       4 .
                          use employee
       5
       6 □ ← create table country(
       7
                                      co_code varchar(2) primary key,
       8
                                       co name varchar(50)
                      );
       9
     10 • ⊖ create table employee(
     11
                                      id INT PRIMARY KEY AUTO_INCREMENT,
                                       name varchar(50)
     12
                      );
     13
     14 •
                           drop table employee
     15 🖾
                           select * from country
                           insert into country values ('IN', 'India');
    16
                          insert into country values ('US', 'United States of America');
     17 .
     18
                                                                                                                           Edit: 🏄 📆 Export/Import: 🙀 🦝 Wrap C
  co_code co_name
                                  India
        LIS
                                 United States of America
       NULL
```

Hands on 4

Difference between JPA, Hibernate and Spring Data JPA



```
nction | Cumpton | Cumpton
   I Package Explorer X

→ 20 E-commercePlatformSearchFunction

→ 20 Employee

→ 20 SearchainJiava

→ 20 CommercePlatformSearchFunction

→ 20 JoademoApplicationajava

→ 20 CommercePlatformSearchFunction

→ 20 JoademoApplicationajava

→ 20 CommercePlatformSearch

→ 20 CommercePla
                        src/main/resources

    ☞ src/test/java
    ➡ JRE System Library (JavaSE-17)
    ➡ Maven Dependencies

              mvnw
mvnw.cmd
pom.xml
pom.xml
FinactoryMethodPatter
findpresence
groovy
JunitAssertionsTest

    ☑ JUnitAssertionsTest
    ☑ JunitExample
    ☑ LibraryManagement
    ☑ LibraryManagements

                                                                                                                                                                                                                                             mockito_test_project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 : HikariPool-1 - Shutdown comple
               iii orm-learn

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                                                                                                                                                                                                                                                    INFO] -----
                                                                                                                                                                                                                                                                                       BUILD SUCCESS
                                                                                                                                                                                                                                                                                                                                     .....
                                                                                                                                                                                                                                                                                       Total time: 5.973 s
Finished at: 2025-07-03T22:05:53+05:30
```