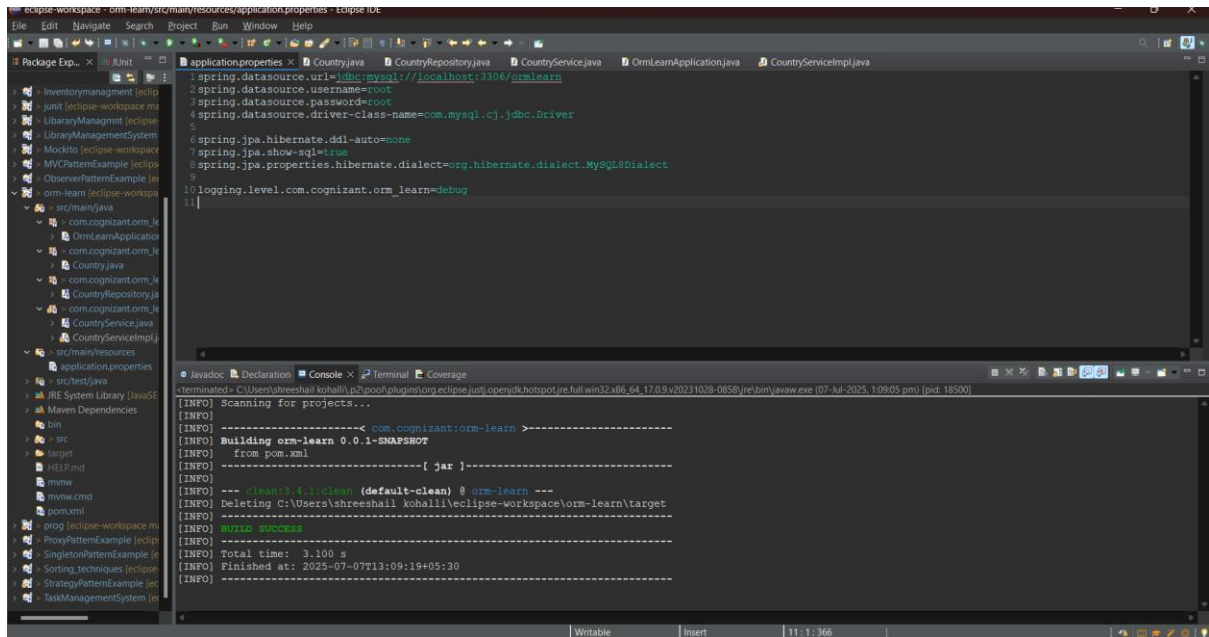**Spring Data JPA - Quick Example** :

Project folder structure:

Pom.xml:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <parent>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-parent</artifactId>
        <version>3.5.3</version>
        <relativePath/> <!-- lookup parent from repository -->
    </parent>
    <groupId>com.cognizant</groupId>
    <artifactId>orm-learn</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <name>orm-learn</name>
    <description>Demo project for Spring Data JPA and
Hibernate</description>
    <url/>
    <licenses>
        <license/>
    </licenses>
    <developers>
        <developer/>
    </developers>
    <scm>
        <connection/>
        <developerConnection/>
        <tag/>
        <url/>
```

```xml
        </scm>
        <properties>
                <java.version>17</java.version>
        </properties>
        <dependencies>
                <dependency>
                        <groupId>org.springframework.boot</groupId>
                        <artifactId>spring-boot-starter-data-jpa</artifactId>
                </dependency>

                <dependency>
                        <groupId>org.springframework.boot</groupId>
                        <artifactId>spring-boot-devtools</artifactId>
                        <scope>runtime</scope>
                        <optional>true</optional>
                </dependency>
                <dependency>
                        <groupId>com.mysql</groupId>
                        <artifactId>mysql-connector-j</artifactId>
                        <scope>runtime</scope>
                </dependency>
                <dependency>
                        <groupId>org.springframework.boot</groupId>
                        <artifactId>spring-boot-starter-test</artifactId>
                        <scope>test</scope>
                </dependency>
        </dependencies>

        <build>
                <plugins>
                        <plugin>
                                <groupId>org.springframework.boot</groupId>
                                <artifactId>spring-boot-maven-plugin</artifactId>
                        </plugin>
                </plugins>
        </build>

</project>
```

Output:

```
2025-07-07T14:14:42.689+05:30  INFO 16096 --- [  restartedMain] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Start completed.
2025-07-07T14:14:42.740+05:30  WARN 16096 --- [  restartedMain] org.hibernate.orm.deprecation           : HHH90000025: MySQL8Dialect does not n
eed to be specified explicitly using 'hibernate.dialect' (remove the property setting and it will be selected by default)
2025-07-07T14:14:42.741+05:30  WARN 16096 --- [  restartedMain] org.hibernate.orm.deprecation           : HHH90000026: MySQL8Dialect has been d
eprecated; use org.hibernate.dialect.MySQLDialect instead
2025-07-07T14:14:42.754+05:30  INFO 16096 --- [  restartedMain] org.hibernate.orm.connections.pooling   : HHH10001005: Database info:
        Database JDBC URL [Connecting through datasource 'HikariDataSource (HikariPool-1)']
        Database driver: undefined/unknown
        Database version: 8.0
        Autocommit mode: undefined/unknown
        Isolation level: undefined/unknown
        Minimum pool size: undefined/unknown
        Maximum pool size: undefined/unknown
2025-07-07T14:14:43.308+05:30  INFO 16096 --- [  restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator       : HHH000489: No JTA platform available
(set 'hibernate.transaction.jta.platform' to enable JTA platform integration)
2025-07-07T14:14:43.313+05:30  INFO 16096 --- [  restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory
for persistence unit 'default'
2025-07-07T14:14:43.518+05:30  INFO 16096 --- [  restartedMain] o.s.b.d.a.OptionalLiveReloadServer       : LiveReload server is running on port
35729
2025-07-07T14:14:43.529+05:30  INFO 16096 --- [  restartedMain] c.c.orm_learn.OrmLearnApplication        : Started OrmLearnApplication in 2.267
seconds (process running for 2.575)
Hibernate: select c1_0.co_code,c1_0.co_name from country c1_0
Country [code=IN, name=India]
Country [code=US, name=United States of America]
2025-07-07T14:14:43.666+05:30  INFO 16096 --- [ionShutdownHook] j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFactory for
persistence unit 'default'
2025-07-07T14:14:43.668+05:30  INFO 16096 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Shutdown initiated...
2025-07-07T14:14:43.676+05:30  INFO 16096 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Shutdown completed.
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  8.551 s
[INFO] Finished at: 2025-07-07T14:14:44+05:30
[INFO] ------------------------------------------------------------------------

C:\Users\shreeshail kohalli\eclipse-workspace\orm-learn>
```