**Spring Data JPA - Quick Example**

**Step 1:**

Create a spring project from start.spring.io

From dependencies select Spring Boot DevTools, Spring Data JPA and MySQL Driver.

**Step 2:**

Go to MySQL command prompt and create a schema

mysql -u root –p

create schema ormlearn;

**Step 3:**

In application.properties enter

# Spring Framework and application log

logging.level.org.springframework=info

logging.level.com.cognizant=debug

# Hibernate logs for displaying executed SQL, input and output

logging.level.org.hibernate.SQL=trace

logging.level.org.hibernate.type.descriptor.sql=trace

# Log pattern

logging.pattern.console=%d{dd-MM-yy} %d{HH:mm:ss.SSS} %-20.20thread %5p %-25.25logger{25} %25M %4L %m%n

# Database configuration

spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver

spring.datasource.url=jdbc:mysql://localhost:3306/ormlearn

spring.datasource.username=root

spring.datasource.password=root

# Hibernate configuration

spring.jpa.hibernate.ddl-auto=validate

spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL5Dialect

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

private static final Logger LOGGER = LoggerFactory.getLogger(OrmLearnApplication.class);

public static void main(String[] args) {

SpringApplication.run(OrmLearnApplication.class, args);

LOGGER.info("Inside main");

**Step 4:**

Create Table “country” with two attributes, co\_code and co\_name and enter a few tuples.

**Step 5:**

Create a model named “Country” and use the annotations like

@Entity for indication of entity class for the application

@Table for identifying the mapping database table

@Id for defining the primary key

**Step 6:**

Use the annotation @Repository and create a CountryRepository

import org.springframework.data.jpa.repository.JpaRepository;

import org.springframework.stereotype.Repository;

import com.cognizant.ormlearn.model.Country;

@Repository

public interface CountryRepository extends JpaRepository<Country, String> {

}

Step 7:

Use the @AutoWire annotation to create the object

Private static CountryService countryService;

Use the methods from the JpaRepository and retrieve the records

