**EXERCISE-9:**

**Application.properties:**

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

spring.datasource.username=your\_username

spring.datasource.password=your\_password

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

spring.datasource.initialization-mode=always

**DataSourceConfig.java**

package com.example.EmployeeManagementSystem.config;

import org.springframework.beans.factory.annotation.Qualifier;

import org.springframework.boot.context.properties.ConfigurationProperties;

import org.springframework.boot.jdbc.DataSourceBuilder;

import org.springframework.context.annotation.Bean;

import org.springframework.context.annotation.Configuration;

import org.springframework.context.annotation.Primary;

import org.springframework.jdbc.core.JdbcTemplate;

import javax.sql.DataSource;

@Configuration

public class DataSourceConfig {

@Primary

@Bean(name = "primaryDataSource")

@ConfigurationProperties(prefix = "spring.datasource.primary")

public DataSource primaryDataSource() {

return DataSourceBuilder.create().build();

}

@Bean(name = "secondaryDataSource")

@ConfigurationProperties(prefix = "spring.datasource.secondary")

public DataSource secondaryDataSource() {

return DataSourceBuilder.create().build();

}

@Bean(name = "primaryJdbcTemplate")

public JdbcTemplate primaryJdbcTemplate(@Qualifier("primaryDataSource") DataSource dataSource) {

return new JdbcTemplate(dataSource);

}

@Bean(name = "secondaryJdbcTemplate")

public JdbcTemplate secondaryJdbcTemplate(@Qualifier("secondaryDataSource") DataSource dataSource) {

return new JdbcTemplate(dataSource);

}

}

**Using Repositories with Qualifiers:**

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.beans.factory.annotation.Qualifier;

import org.springframework.stereotype.Repository;

import org.springframework.jdbc.core.JdbcTemplate;

@Repository

public class EmployeeRepository {

private final JdbcTemplate jdbcTemplate;

@Autowired

public EmployeeRepository(@Qualifier("primaryJdbcTemplate") JdbcTemplate jdbcTemplate) {

this.jdbcTemplate = jdbcTemplate;

}

}

**Secondary Repository:**

@Repository

public class DepartmentRepository {

private final JdbcTemplate jdbcTemplate;

@Autowired

public DepartmentRepository(@Qualifier("secondaryJdbcTemplate") JdbcTemplate jdbcTemplate) {

this.jdbcTemplate = jdbcTemplate;

}

}