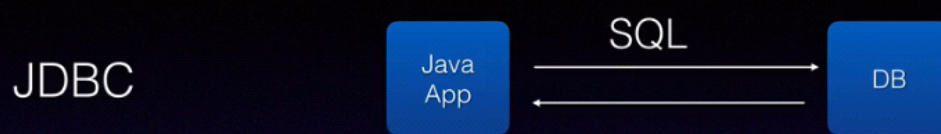


Spring JDBC



`Connection con = DriverManager.getConnection....`

`Statement statement = con.createStatement...`

Spring JDBC

JdbcTemplate

JDBC + Template
Technology Design Pattern

Template

Common Code

Developer loves JdbcTemplate

JdbcTemplate → javax.sql.DataSource(I)

↑
DriverManagerDataSource

driverClassName

url

userName

password

JdbcTemplate

update(String sql) int

update(String sql, Object... args) int

insert, update and delete

Spring JDBC Project

spring-context

spring-jdbc

mysql-connector-java

DriverManagerDataSource

dataSource

driverClassName

com.mysql.jdbc.Driver

url

jdbc:mysql://localhost/mydb

username

root

password

test

JdbcTemplate

jdbcTemplate

dataSource

Create the test class and use the JdbcTemplate

Employee

id

firstName

lastName

EmployeeDao → jdbcTemplate → DataSource

EmployeeDaoImpl

DriverManagerDataSource

Update

```
update employee set firstname=?,lastname=? where id=?
```

Delete

```
delete from employee where id=?
```

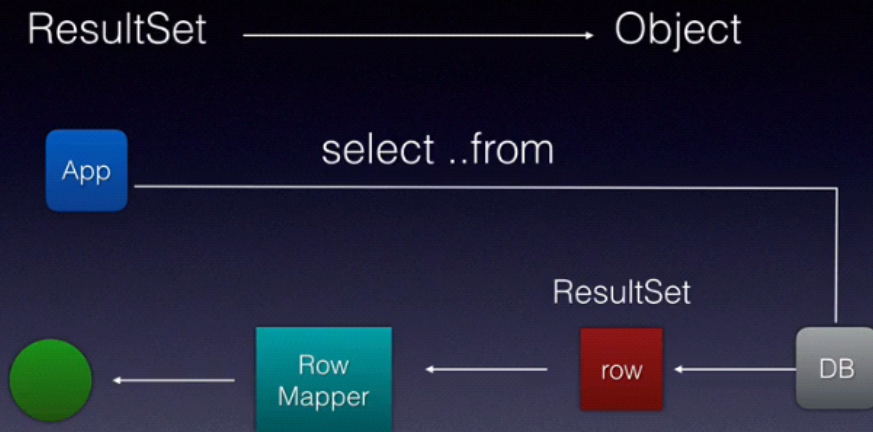
Select

JdbcTemplate

```
queryForObject(String sql,RowMapper<T> rowmapper,Object...  
                args):<T>
```

```
query(String sql,RowMapper<T> rowmapper):List<T>
```


RowMapper<T> (I):



```
Employee mapRow(ResultSet rs)
    emp.set(rs.get(1));
```

Spring JDBC

No Repetitive Code

No Checked Exceptions

JdbcTemplate

DataSource

driver Class

url

name

password

update

queryForObject

query

Spring JDBC

Passenger

id

firstName

lastName

create

read

update

delete

JdbcTemplate

DataSource

Test