



# DESARROLLO DE SOFTWARE I

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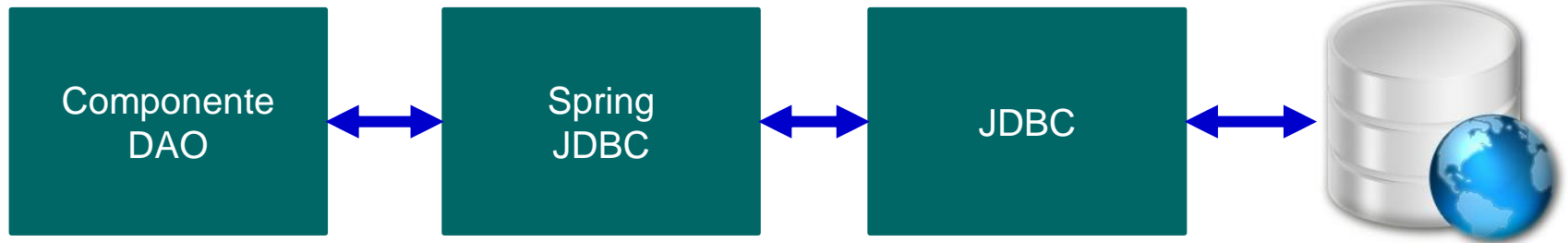


## TEMA: Fundamentos de Spring JDBC



Ejecutar consultas simples  
con Spring JDBC.







## Driver JDBC

```
<dependency>  
  <groupId>mysql</groupId>  
  <artifactId>mysql-connector-java</artifactId>  
  <version>5.1.37</version>  
</dependency>
```

## Spring JDBC

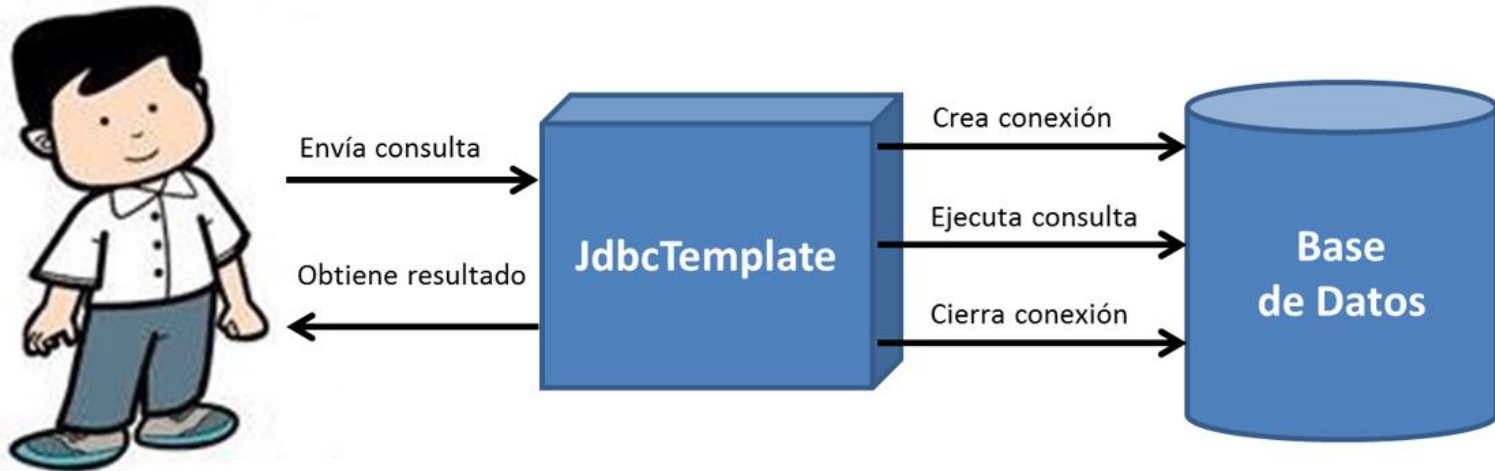
```
<dependency>  
  <groupId>org.springframework</groupId>  
  <artifactId>spring-jdbc</artifactId>  
  <version>${org.springframework-version}</version>  
</dependency>
```



```
<bean id="dataSource"
      class="org.springframework.jdbc.datasource.DriverManagerDataSource">
    <property name="driverClassName" value="com.mysql.jdbc.Driver" />
    <property name="url" value="jdbc:mysql://localhost:3306/eurekabank" />
    <property name="username" value="eureka" />
    <property name="password" value="admin" />
</bean>

<bean id="transactionManager"
      class="org.springframework.jdbc.datasource.DataSourceTransactionManager">
    <property name="dataSource" ref="dataSource" />
</bean>

<tx:annotation-driven transaction-manager="transactionManager" />
```







## Caso 1

### Contexto

```
<bean id="jdbcTemplate"  
class="org.springframework.jdbc.core.JdbcTemplate">  
    <property name="dataSource" ref="dataSource"/>  
</bean>
```

### Componente DAO

```
@Repository  
public class EurekaDaoImpl implements EurekaDaoEspec {  
  
    @Autowired  
    private JdbcTemplate jdbcTemplate;  
  
}
```



## Caso 2

```
public abstract class AbstractDaoSupport {  
    @Autowired  
    protected JdbcTemplate jdbcTemplate;  
}
```



```
@Repository  
public class EurekaDaoImpl extends AbstractDaoSupport  
implements EurekaDaoEspec {  
  
    // Aquí se tiene acceso  
    // a la variable jdbcTemplate  
  
}
```



## Consultando un dato entero

```
String sql = "select count(*) from cuenta";  
int rowCount = jdbcTemplate.queryForObject(sql,Integer.class);  
System.out.println("Cantidad de cuentas: " + rowCount);
```

## Consultando un dato double

```
String sql = "select sum(dec_cuensaldo) from cuenta";  
Double saldo = jdbcTemplate.queryForObject(sql, Double.class);  
System.out.println("Saldo total: " + saldo);
```



## Consultando un String

```
String sql = "select vch_clienombre from cliente where chr_cliecodigo = ?";  
Object[] parms = {"00001"};  
String nombre = jdbcTemplate.queryForObject(sql, parms, String.class);  
System.out.println("Nombre: " + nombre);
```