**간편 만들기**

**1.pom.xml**

**원래 있던 pom , 설명.**

**<properties>**

**<java-version>1.8</java-version>**

**<org.springframework-version>4.3.9.RELEASE</org.springframework-version>**

**<org.aspectj-version>1.6.10</org.aspectj-version>**

**<org.slf4j-version>1.6.6</org.slf4j-version>**

**</properties>**

**<!-- DB\_POM\_1 -->**

**<!--오라클 repositories -->**

**<!--**

**<repositories>**

**<repository>**

**<id>oracle</id>**

**<url>http://maven.jahia.org/maven2</url>**

**</repository>**

**</repositories> -->**

**<dependencies>**

**<dependency>**

**<groupId>org.springframework</groupId>**

**<artifactId>spring-test</artifactId>**

**<version>${org.springframework-version}</version>**

**</dependency>**

**<dependency>**

**<groupId>org.springframework</groupId>**

**<artifactId>spring-jdbc</artifactId>**

**<version>${org.springframework-version}</version>**

**</dependency>**

**<dependency>**

**<groupId>org.mybatis</groupId>**

**<artifactId>mybatis</artifactId>**

**<version>3.4.1</version>**

**</dependency>**

**<dependency>**

**<groupId>org.mybatis</groupId>**

**<artifactId>mybatis-spring</artifactId>**

**<version>1.3.0</version>**

**</dependency>**

**<dependency>**

**<groupId>org.bgee.log4jdbc-log4j2</groupId>**

**<artifactId>log4jdbc-log4j2-jdbc4</artifactId>**

**<version>1.16</version>**

**</dependency>**

**<!-- DB\_POM\_2 -->**

**<!-- 오라클 JDBC 드라이버 -->**

**<!--**

**<dependency>**

**<groupId>com.oracle</groupId>**

**<artifactId>ojdbc6</artifactId>**

**<version>12.1.0.2</version>**

**</dependency>**

**-->**

**<!-- PostgreSQL 9.4 -->**

**<!-- <dependency>**

**<groupId>postgresql</groupId>**

**<artifactId>postgresql</artifactId>**

**<version>9.0-801.jdbc4</version>**

**</dependency> -->**

**<!-- Mysql 8.0 -->**

**<dependency>**

**<groupId>mysql</groupId>**

**<artifactId>mysql-connector-java</artifactId>**

**<version>8.0.13</version>**

**</dependency>**

**2. root-context.xml 수정.**

**resources 추가 파일.!!**

**1)**

**NameSpaces 에서 jdbc,context,mybatis추가.**

**2)**

**<!-- Root Context: defines shared resources visible to all other web components -->**

**<!-- properties -->**

**<bean**

**class="org.springframework.beans.factory.config.PropertyPlaceholderConfigurer">**

**<property name="locations" value="classpath:/jdbc.properties" />**

**<property name="fileEncoding" value="UTF-8" />**

**</bean>**

**<!-- JDBC-PostgreSQL -->**

**<bean id="dataSource"**

**class="org.springframework.jdbc.datasource.DriverManagerDataSource">**

**<property name="driverClassName"**

**value="${jdbc.driverClassName}" />**

**<property name="url" value="${jdbc.url}" />**

**<property name="username" value="${jdbc.username}" />**

**<property name="password" value="${jdbc.password}" />**

**</bean>**

**<bean id="sqlSessionFactory"**

**class="org.mybatis.spring.SqlSessionFactoryBean">**

**<property name="dataSource" ref="dataSource" />**

**<property name="configLocation"**

**value="classpath:/mybatis-config.xml">**

**</property>**

**<property name="mapperLocations"**

**value="classpath:mappers/\*\*/\*Mapper.xml"></property>**

**</bean>**

**<bean id="sqlSession" class="org.mybatis.spring.SqlSessionTemplate"**

**destroy-method="clearCache">**

**<constructor-arg name="sqlSessionFactory"**

**ref="sqlSessionFactory"></constructor-arg>**

**</bean>**

**<context:component-scan base-package="org.woo.web" />**

**3.test. (JUnit 4추가.)**

**:project 우클릭 > properties > Java Build Path > Libraries > add Library > Jnuit > add**

**src\test\java\org\woo**

**DBTest ,DSTest 생성.**

**@RunWith(SpringJUnit4ClassRunner.class)**

**@ContextConfiguration(locations = { "file:src/main/webapp/WEB-INF/spring/root-context.xml" })**

**public class DBTest {**

**// @Test**

**// public void DBConnectionTest() throws Exception {**

**// Class.forName("oracle.jdbc.driver.OracleDriver");**

**// Connection con = DriverManager.getConnection(**

**// "jdbc:oracle:thin:@192.168.0.33:1521:myoracle",**

**// "ora\_user",**

**// "woo");**

**// System.out.println(con);**

**// con.close();**

**// }**

**// @Test**

**// public void DBConnectionTest() throws Exception {**

**// Class.forName("org.postgresql.Driver");**

**// Connection con = DriverManager.getConnection(**

**// "jdbc:postgresql://localhost:5432/postgres",**

**// "postgres",**

**// "1234");**

**// System.out.println(con);**

**// con.close();**

**// }**

**@Test**

**public void DBConnectionTest() throws Exception {**

**//mysql driver name 5version**

**//com.mysql.jdbc.Driver**

**//8버전 부터 driver name이 변경 되었고 Timezone을 설정하도록 변경 되었다. (&amp; == & 랑 같고 xml에서는 &을 읽지 못한다.)**

**Class.forName("com.mysql.cj.jdbc.Driver");**

**Connection con = DriverManager.getConnection(**

**"jdbc:mysql://localhost:3306/foodmap?useSSL=false&serverTimezone=Asia/Seoul",**

**"woo",**

**"1234");**

**System.out.println(con);**

**con.close();**

**}**

**}**

**@RunWith(SpringJUnit4ClassRunner.class)**

**@ContextConfiguration(locations = { "file:src/main/webapp/WEB-INF/spring/root-context.xml" })**

**public class DSTest {**

**@Inject**

**private DataSource ds;**

**@Test**

**public void dsTest()throws Exception{**

**Connection con = ds.getConnection();**

**System.out.println(con);**

**con.close();**

**}**

**}**

**-----SqlTest**