



## 1. insert

```
이름 : 메가
수 아이디 : 스티디
직급 : 강사
연 : 300
사날 : 20201111
급 : 30
부서번호 : 202
2024-10-10 21:55:07 [DEBUG] kr.gilju.mybatis_ex.Professor01 - 입력된 데이터: 메가, 스티디, 강사, 300, 20201111, 30, 202
2024-10-10 21:55:07 [DEBUG] org.apache.ibatis.logging.LogFactory - Logging initialized using 'class org.apache.ibatis.logging.log4j2.Log4j2Impl' adapter.
2024-10-10 21:55:07 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 21:55:07 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 21:55:07 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 21:55:07 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Opening JDBC Connection
2024-10-10 21:55:07 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - Created connection 1734184086.
2024-10-10 21:55:07 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Setting autocommit to false on JDBC Connection [com.mysql.cj.jdbc.ConnectionImpl@675d8c96]
2024-10-10 21:55:07 [DEBUG] ProfessorMapper.insert - ==> Preparing: INSERT INTO professor (name, userid, position, sal, hiredate, comm, deptno) VALUES (?, ?, ?, ?, ?, ?, ?)
2024-10-10 21:55:07 [DEBUG] ProfessorMapper.insert - <== Updates: 1
2024-10-10 21:55:07 [INFO] kr.gilju.mybatis_ex.Professor01 - 9918번 데이터 저장됨
```

결과 ▼

```
mysql> select * from professor;
```

| profno | name | userid   | position | sal | hiredate            | comm | deptno |
|--------|------|----------|----------|-----|---------------------|------|--------|
| 9901   | 김도훈  | capool   | 교수       | 500 | 1982-06-12 00:00:00 | 20   | 101    |
| 9902   | 이재우  | sweat413 | 조교수      | 320 | 1995-04-12 00:00:00 | NULL | 201    |
| 9903   | 성연희  | pascal   | 조교수      | 360 | 1993-03-17 00:00:00 | 15   | 101    |
| 9905   | 권혁일  | refresh  | 교수       | 450 | 1986-02-11 00:00:00 | 25   | 102    |
| 9906   | 이만식  | pocari   | 부교수      | 420 | 1988-07-11 00:00:00 | NULL | 101    |
| 9907   | 전은지  | totoro   | 전임강사     | 210 | 2001-05-11 00:00:00 | NULL | 101    |
| 9908   | 남은혁  | nam      | 교수       | 500 | 2011-11-11 00:00:00 | 40   | 202    |
| 9918   | 메가   | 스티디      | 강사       | 300 | 2020-11-11 00:00:00 | 30   | 202    |

## 2. delete

```
삭제할 교수 번호 : 9908
2024-10-10 22:05:32 [DEBUG] org.apache.ibatis.logging.LogFactory - Logging initialized using 'class org.apache.ibatis.logging.log4j2.Log4j2Impl' adapter.
2024-10-10 22:05:32 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:05:32 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:05:32 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:05:32 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:05:33 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Opening JDBC Connection
2024-10-10 22:05:33 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - Created connection 1923634801.
2024-10-10 22:05:33 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Setting autocommit to false on JDBC Connection [com.mysql.cj.jdbc.ConnectionImpl@72a85671]
2024-10-10 22:05:33 [DEBUG] ProfessorMapper.delete - ==> Preparing: DELETE FROM professor WHERE profno=?;
2024-10-10 22:05:33 [DEBUG] ProfessorMapper.delete - ==> Parameters: 9908(Integer)
2024-10-10 22:05:33 [DEBUG] ProfessorMapper.delete - <== Updates: 1
2024-10-10 22:05:33 [DEBUG] kr.gilju.mybatis_ex.Professor02 - 1개의 데이터 삭제됨
```

결과 ▼

| profno | name | userid   | position | sal | hiredate            | comm | deptno |
|--------|------|----------|----------|-----|---------------------|------|--------|
| 9901   | 김도훈  | capool   | 교수       | 500 | 1982-06-12 00:00:00 | 20   | 101    |
| 9902   | 이재우  | sweat413 | 조교수      | 320 | 1995-04-12 00:00:00 | NULL | 201    |
| 9903   | 성연희  | pascal   | 조교수      | 360 | 1993-03-17 00:00:00 | 15   | 101    |
| 9905   | 권혁일  | refresh  | 교수       | 450 | 1986-02-11 00:00:00 | 25   | 102    |
| 9906   | 이만식  | pocari   | 부교수      | 420 | 1988-07-11 00:00:00 | NULL | 101    |
| 9907   | 전은지  | totoro   | 전임강사     | 210 | 2001-05-11 00:00:00 | NULL | 101    |
| 9918   | 메가   | 스터디      | 강사       | 300 | 2020-11-11 00:00:00 | 30   | 202    |

### 3. update

```
수정할 교수 이름: 메가
수정할 직급: 교수
수정할 교수 ID: 메가스터디
수정할 급여: 350
수정할 입사날짜(YYYYMMDD): 20201111
수정할 성과금: 40
현재 학과 번호: 202
현재 교수 번호: 9918
2024-10-10 22:12:05 [DEBUG] org.apache.ibatis.logging.LogFactory - Logging initialized using 'class org.apache.ibatis.logging.log4j2.Log4j2Impl' adapter.
2024-10-10 22:12:05 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:12:05 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:12:05 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:12:05 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:12:05 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Opening JDBC Connection
2024-10-10 22:12:06 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - Created connection 1730337646.
2024-10-10 22:12:06 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Setting autocommit to false on JDBC Connection [com.mysql.cj.jdbc.ConnectionImpl@6722db6e]
2024-10-10 22:12:06 [DEBUG] ProfessorMapper.update - ==> Preparing: UPDATE professor SET name=?, userid=?, position=?, sal=?, hiredate=?, comm=?, deptno=? WHERE profno=?;
2024-10-10 22:12:06 [DEBUG] ProfessorMapper.update - ==> Parameters: 메가 (String), 메가스터디 (String), 교수 (String), 350(Integer), 20201111(String), 40(Integer), 202(Integer), 9918(Integer)
2024-10-10 22:12:06 [DEBUG] ProfessorMapper.update - <== Updates: 1
2024-10-10 22:12:06 [DEBUG] kr.gilju.mybatis_ex.App02 - 1개의 데이터 수정됨
```

결과 ▼

| profno | name | userid   | position | sal | hiredate            | comm | deptno |
|--------|------|----------|----------|-----|---------------------|------|--------|
| 9901   | 김도훈  | capool   | 교수       | 500 | 1982-06-12 00:00:00 | 20   | 101    |
| 9902   | 이재우  | sweat413 | 조교수      | 320 | 1995-04-12 00:00:00 | NULL | 201    |
| 9903   | 성연희  | pascal   | 조교수      | 360 | 1993-03-17 00:00:00 | 15   | 101    |
| 9905   | 권혁일  | refresh  | 교수       | 450 | 1986-02-11 00:00:00 | 25   | 102    |
| 9906   | 이만식  | pocari   | 부교수      | 420 | 1988-07-11 00:00:00 | NULL | 101    |
| 9907   | 전은지  | totoro   | 전임강사     | 210 | 2001-05-11 00:00:00 | NULL | 101    |
| 9918   | 메가   | 메가스터디    | 교수       | 350 | 2020-11-11 00:00:00 | 40   | 202    |

### 4. 단일행조회

```
조회할 교수 번호: 9906
2024-10-10 22:14:41 [DEBUG] org.apache.ibatis.logging.LogFactory - Logging initialized using 'class org.apache.ibatis.logging.log4j2.Log4j2Impl' adapter.
2024-10-10 22:14:41 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:14:41 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:14:41 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:14:41 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 22:14:41 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Opening JDBC Connection
2024-10-10 22:14:42 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - Created connection 771923297.
2024-10-10 22:14:42 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Setting autocommit to false on JDBC Connection [com.mysql.cj.jdbc.ConnectionImpl@2e029d61]
2024-10-10 22:14:42 [DEBUG] ProfessorMapper.selectItem - ==> Preparing: SELECT profno, name, userid, position, sal, hiredate, comm, deptno FROM professor WHERE profno = ?;
2024-10-10 22:14:42 [DEBUG] ProfessorMapper.selectItem - ==> Parameters: 9906(Integer)
2024-10-10 22:14:42 [DEBUG] ProfessorMapper.selectItem - <== Total: 1
Professor(profNo=9906, name=이만식, userid=pocari, position=부교수, sal=420, hiredate=1988-07-11 00:00:00, comm=null, deptNo=101)
```

### 5. 다중행조회

```
folders/cq/r0rthx6s0ygc1v09d_d35y140000gn/1/cp_1push4n4s3priqwnex3qnmcmcme.argfile kr.gilju.myba
2024-10-10T13:16:16.309629Z main INFO Starting configuration XmlConfiguration[location=/Users/song-gilju/.m2/repository/org/apache/ibatis/ibatis-sqlmap/2.3.12/ibatis-sqlmap-2.3.12.jar;modified=2024-10-10T12:44:52.343Z]...
2024-10-10T13:16:16.310093Z main INFO Start watching for changes to /Users/song-gilju/Desktop/
2024-10-10T13:16:16.310188Z main INFO Configuration XmlConfiguration[location=/Users/song-gilju/.m2/repository/org/apache/ibatis/ibatis-sqlmap/2.3.12/ibatis-sqlmap-2.3.12.jar;modified=2024-10-10T12:44:52.343Z] started.
2024-10-10T13:16:16.310655Z main INFO Stopping configuration org.apache.logging.log4j.core.config.DefaultConfiguration
2024-10-10T13:16:16.310802Z main INFO Configuration org.apache.logging.log4j.core.config.DefaultConfiguration
2024-10-10 22:16:16 [DEBUG] org.apache.ibatis.logging.LogFactory - Logging initialized using 'org.apache.ibatis.datasource.pooled.PooledDataSource'
2024-10-10 22:16:16 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource
2024-10-10 22:16:16 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource
2024-10-10 22:16:16 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource
2024-10-10 22:16:16 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Opening JDBC
2024-10-10 22:16:16 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - Created connection
2024-10-10 22:16:16 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Setting autocommit
2024-10-10 22:16:16 [DEBUG] ProfessorMapper.selectList - ==> Preparing: SELECT profno, name,
2024-10-10 22:16:16 [DEBUG] ProfessorMapper.selectList - ==> Parameters:
2024-10-10 22:16:16 [DEBUG] ProfessorMapper.selectList - <== Total: 7
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수번호: 9901
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수이름: 김도훈
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수아이디: capool
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수직급: 교수
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수급여: 500
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 입사날짜: 1982-06-12 00:00:00
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 성과금: 20
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 학과번호: 101
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수번호: 9902
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수이름: 이재우
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수아이디: sweat413
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수직급: 조교수
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수급여: 320
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 입사날짜: 1995-04-12 00:00:00
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 성과금: null
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 학과번호: 201
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수번호: 9903
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수이름: 성연희
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수아이디: pascal
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수직급: 조교수
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수급여: 360
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 입사날짜: 1993-03-17 00:00:00
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 성과금: 15
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 학과번호: 101
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수번호: 9905
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수이름: 권혁일
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수아이디: refresh
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수직급: 교수
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 교수급여: 450
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 입사날짜: 1986-02-11 00:00:00
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 성과금: 25
2024-10-10 22:16:16 [DEBUG] kr.gilju.mybaitsex.Professor02 - 학과번호: 102
```