



## 1. insert

```
이름 : 헬로
학생 아이디 : 월드
학년 : 2
주민번호 : 8412141254964
생일 : 20111111
전화번호 : 02)785-6986
키 (cm) : 180
몸무게 (kg) : 77
학과번호 : 202
담당교수번호 : 9902
2024-10-10 22:56:54 [DEBUG] kr.gilju.mybaits_ex.Student01 - 입력된 데이터:헬로, 월드, 2, 8412141254964, 20111111, 02)785-6986, 180, 77, 202, 9902
```

결과 ▼

20104	조명훈	rader214	1	8412141254963	1984-12-14 00:00:00	02)785-6984	184	62	201	NULL
20105	헬로	월드	2	8412141254964	2011-11-11 00:00:00	02)785-6986	180	77	202	9902

## 2. delete

```
삭제할 학생 학번 : 20104
2024-10-10 23:03:52 [DEBUG] org.apache.ibatis.logging.LogFactory - Logging initialized using 'class org.apache.ibatis.logging.log4j2.Log4j2Impl' adapter.
2024-10-10 23:03:52 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:03:52 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:03:52 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:03:52 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:03:52 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Opening JDBC Connection
2024-10-10 23:03:52 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Created connection 1662912171.
2024-10-10 23:03:52 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Setting autocommit to false on JDBC Connection [com.mysql.cj.jdbc.ConnectionImpl@631e06ab]
2024-10-10 23:03:52 [DEBUG] StudentMapper.delete - ==> Preparing: DELETE FROM student WHERE studno=?;
2024-10-10 23:03:52 [DEBUG] StudentMapper.delete - ==> Parameters: 20104(Integer)
2024-10-10 23:03:52 [DEBUG] StudentMapper.delete - <== Updates: 1
2024-10-10 23:03:52 [DEBUG] kr.gilju.mybaits_ex.Student02 - 1개의 데이터 삭제됨
```

## 3. update

```
수정할 학생 이름 : 헬로
수정할 학생 아이디 : 헬러월드
수정할 학생 학년 : 3
수정할 주민번호 : 8412141254967
수정할 생일 : 20111112
수정할 전화번호 : 052)175-3941
수정할 키 (cm) : 180
수정할 몸무게 (kg) : 88
현재 학과번호 : 202
현재 담당교수번호 : 9902
현재 학생 학번 : 20105
2024-10-10 23:27:14 [DEBUG] org.apache.ibatis.logging.LogFactory - Logging initialized using 'class org.apache.ibatis.logging.log4j2.Log4j2Impl' adapter.
2024-10-10 23:27:14 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:27:14 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:27:14 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:27:14 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:27:14 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Opening JDBC Connection
2024-10-10 23:27:14 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Created connection 61426020.
2024-10-10 23:27:14 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Setting autocommit to false on JDBC Connection [com.mysql.cj.jdbc.ConnectionImpl@3a94964]
2024-10-10 23:27:14 [DEBUG] StudentMapper.update - ==> Preparing: UPDATE student SET name=?, userid=?, grade=?, idnum=?, birthdate=?, tel=?, height=?, weight=?, deptno=?, profno=? WHERE studno=?;
2024-10-10 23:27:14 [DEBUG] StudentMapper.update - ==> Parameters: 헬로 (String), 헬러월드 (String), 3(Integer), 8412141254967(String), 20111112(String), 052)175-3941(String), 180(Integer), 88(Integer), 202(Integer), 9902(Integer), 20105(Integer)
2024-10-10 23:27:14 [DEBUG] StudentMapper.update - <== Updates: 1
2024-10-10 23:27:14 [DEBUG] kr.gilju.mybaits_ex.App02 - 1개의 데이터 수정됨
```

## 4. 단일행조회

```
조회할 학생 학번 : 20103
2024-10-10 23:32:17 [DEBUG] org.apache.ibatis.logging.LogFactory - Logging initialized using 'class org.apache.ibatis.logging.log4j2.Log4j2Impl' adapter.
2024-10-10 23:32:17 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:32:17 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:32:17 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:32:17 [DEBUG] org.apache.ibatis.datasource.pooled.PooledDataSource - PooledDataSource forcefully closed/removed all connections.
2024-10-10 23:32:17 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Opening JDBC Connection
2024-10-10 23:32:17 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Created connection 181078353.
2024-10-10 23:32:17 [DEBUG] org.apache.ibatis.transaction.jdbc.JdbcTransaction - Setting autocommit to false on JDBC Connection [com.mysql.cj.jdbc.ConnectionImpl@acb0951]
2024-10-10 23:32:17 [DEBUG] StudentMapper.selectItem - ==> Preparing: SELECT studno, name, userid, grade, idnum, birthdate, tel, height, weight, deptno, profno FROM student WHERE studno = ?
2024-10-10 23:32:17 [DEBUG] StudentMapper.selectItem - ==> Parameters: 20103(Integer)
2024-10-10 23:32:17 [DEBUG] StudentMapper.selectItem - <== Total: 1
Student(studNo=20103, name=김진경, userid=lovely, grade=2, idnum=8302282169387, birthdate=1983-02-28 00:00:00, tel=052)175-3941, height=166, weight=51, deptNo=201, profNo=9902)
```

## 5. 다중행조회

```
2024-10-10 23:36:51 [DEBUG] StudentMapper.selectList - ==> Parameters:
2024-10-10 23:36:51 [DEBUG] StudentMapper.selectList - <==      Total: 15
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학생 학번 : 10102
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학생 이름 : 박미경
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학생 아이디 : anse1414
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학년 : 1
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 주민 번호 : 8405162123648
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 생일 : 1984-05-16 00:00:00
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 전화번호 : 055)261-8947
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 키 : 168
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 몸무게 : 52
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학과 : 101
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 담당 교수 번호 : null
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학생 학번 : 10103
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학생 이름 : 김영균
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학생 아이디 : mandu
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학년 : 3
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 주민 번호 : 8103211063421
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 생일 : 1981-03-21 00:00:00
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 전화번호 : 051)824-9637
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 키 : 170
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 몸무게 : 88
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학과 : 101
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 담당 교수 번호 : 9906
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학생 학번 : 10104
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학생 이름 : 지은경
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학생 아이디 : gomo00
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학년 : 2
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 주민 번호 : 8004122298371
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 생일 : 1980-04-12 00:00:00
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 전화번호 : 055)418-9627
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 키 : 161
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 몸무게 : 42
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학과 : 101
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 담당 교수 번호 : 9907
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학생 학번 : 10105
2024-10-10 23:36:51 [DEBUG] kr.gilju.mybatis_ex.Student02 - 학생 이름 : 임유진
```