

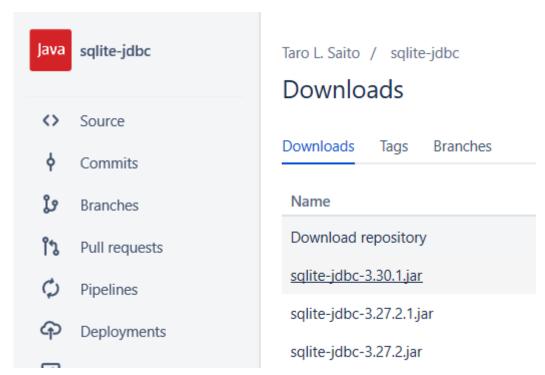
이클립스 연동

SQL

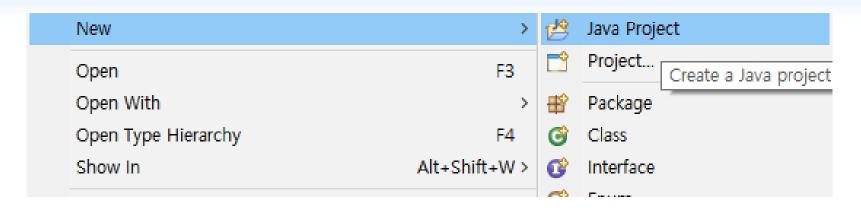
## 환경설정

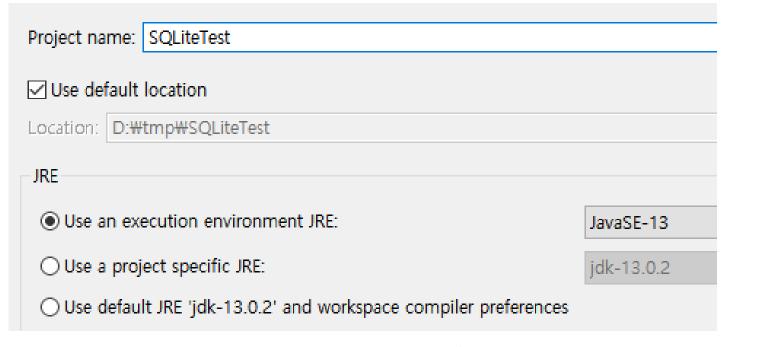
#### SQLite-jdbc

- ❖ 이해하기
  - DataBase를 JAVA와 연동하기 위해 JDBC 설치
- ❖ 다운로드
  - https://bitbucket.org/xerial/sqlite-jdbc/downloads/



#### 프로젝트 생성

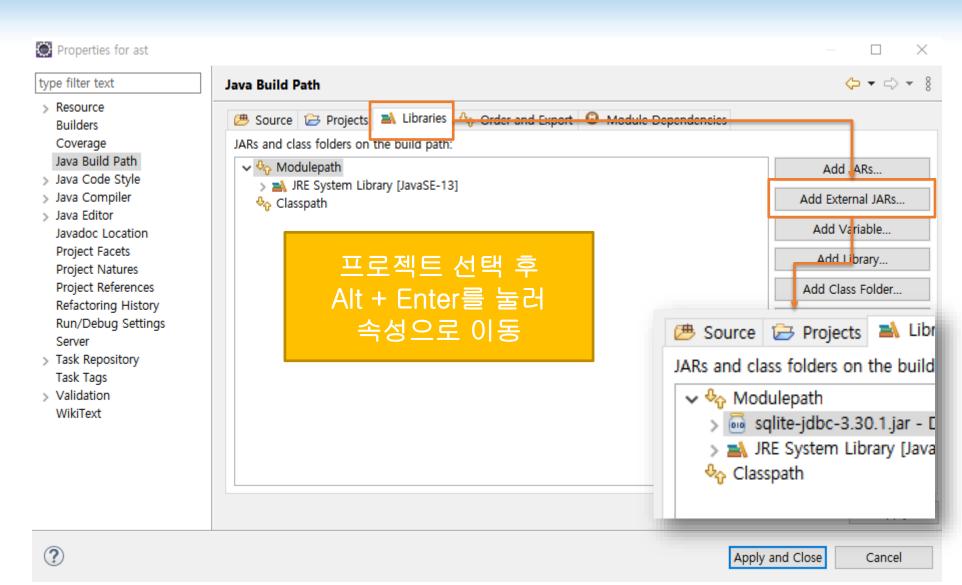




#### 클래스 생성

Na <u>m</u> e:	SQLiteTest		
Modifiers:		•	
	abs <u>tract</u> final static		
<u>S</u> uperclass:	java.lang.Object	Brows <u>e</u>	
<u>I</u> nterfaces:		<u>A</u> dd	
		<u>R</u> emove	
Which method stubs would you like to create?			
	☑ public static <u>v</u> oid main(String[] args)		
	Constructors from superclass		
	✓ Inherited abstract methods		

#### 라이브러리 추가



#### 라이브러리 확인

```
public class SQLiteTest {
   public static void main(String[] args) {
      try {
          Class.forName("org.sqlite.JDBC");
       } catch (ClassNotFoundException e) {
          e.printStackTrace();

✓ ■ Referenced Libraries

                                🗸 🔤 sqlite-jdbc-3.30.1.jar - 🛭
                                      org.sqlite

    BusyHandler.class

                                      ExtendedCommar
                                      The Function.class
                                      JDBC.class
                                      ProgressHandler.c
```

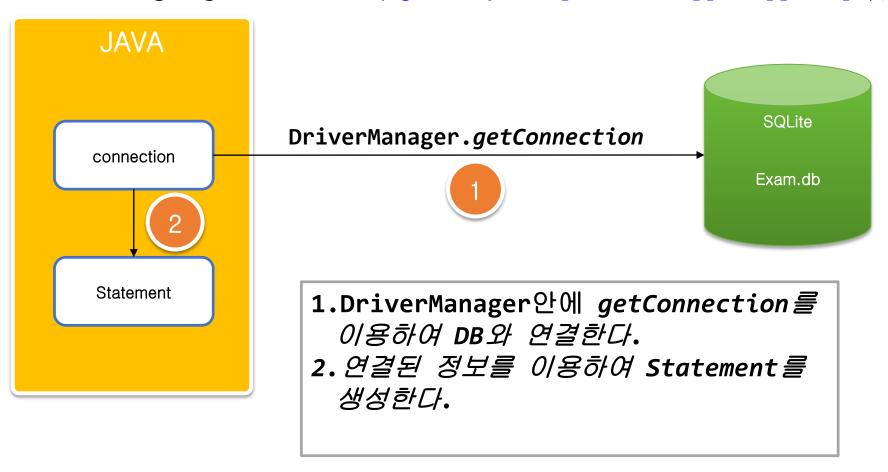
### Statement OloHoly

#### 메모리 등록

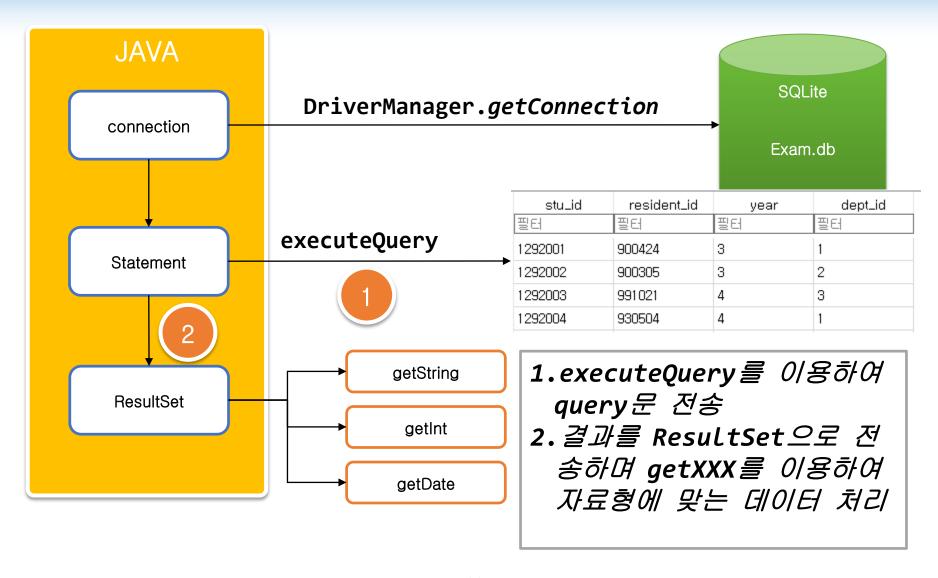


#### statement

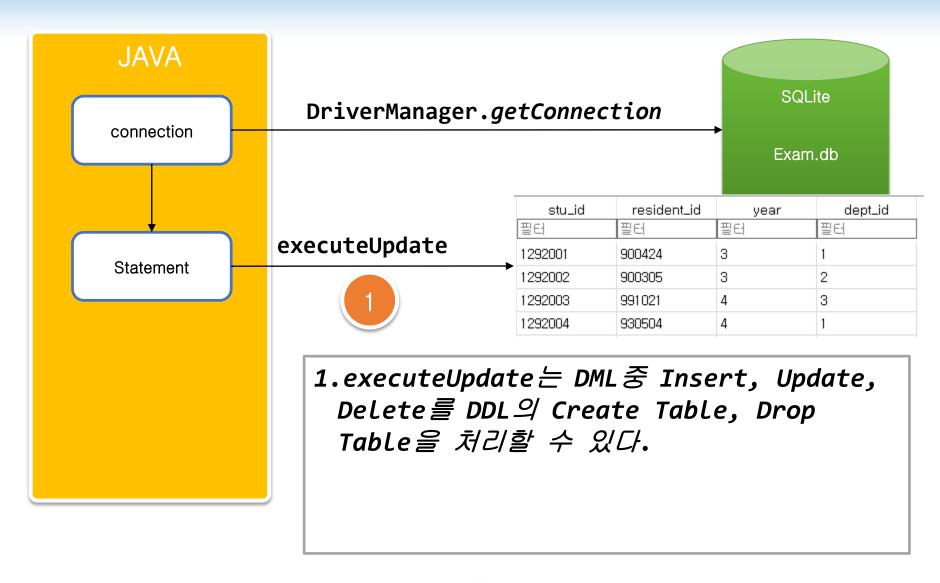
DriverManager.getConnection("jdbc:sqlite:[드라이버명][경로][db명]");



#### **SELECT**



#### **Update**



## 실습

#### Java.JDBC.Test

- ❖ JDBC01\_classforname
- ❖ JDBC02\_connection
- ❖ JDBC03\_select
- ❖ JDBC04\_CreateTable

## Quiz

#### JAVA.JDBC.Quiz

❖ 다음과 같이 두 명의 정보를 입력하시오

id	pw
필터	필터
jin	jin1234
din	jin1234

❖ Din의 패스워드를 din1234로 변경하시오

#### JAVA.JDBC.Quiz

❖ login table에서 jin 계정을 삭제하시오

id	pw	
필터	필터	
din	din1234	

❖ Login table을 제거 하시오

# PreparedStatement 01が151

#### **PreparedStatement**

```
    ◇ 이해하기
         가변적인 데이터 처리

    ◇ 사용 예
    PreparedStatement pstmt = conn.prepareStatement(
    "SELECT count(*) "+
    "FROM student " +
    "WHERE year = ?"
    );
    pstmt.setInt(1, 2);
```

## 실습

#### Select

```
final static String SQL =
   "SELECT count(*) "+
   "FROM student " +
   "WHERE year=?";
public static void main(String[] args) {
   try {
      System.out.println("학년을 입력하세요?");
      int year= System.in.read()-48;
      Class.forName(DRIVER);
      Connection conn = DriverManager.getConnection(DB);
      PreparedStatement pstmt = conn.prepareStatement(SQL);
      pstmt.setInt(1, year);
      ResultSet rs = pstmt.executeQuery();
      while(rs.next()) {
         System.out.println(rs.getInt("count(*)"));
```

#### Insert

```
final static String SQL =
"INSERT INTO student " +
"VALUES(?, ?, ?, ?);";
public static void main(String[] args) {
  Scanner sc = new Scanner(System.in);
  System.out.println("학번을 입력하세요?");
  String stu_id = sc.next();
  System.out.println("생년월일을 입력하세요?");
  String resident id = sc.next();
  System.out.println("학년을 입력하세요?");
  int year = sc.nextInt();
  System.out.println("학과를 입력하세요?");
  String dept_id = sc.next();
```

#### Insert(con' t)

```
try {
  Class.forName(DRIVER);
  Connection conn =
  DriverManager.getConnection(DB);
  PreparedStatement pstmt =
  conn.prepareStatement(SQL);
  pstmt.setString(1, stu_id);
  pstmt.setString(2, resident_id);
  pstmt.setInt(3, year);
  pstmt.setString(4, dept id);
  pstmt.executeUpdate();
```