Lab 7: SQLite

1. Create a new Android app.

2. Create a new java file (Contact.java) in the same path with MainActivity.
    a. Implement Contact.java as shown in lecture slide (Example 1).

3. Create a new java file (DatabaseHandler.java) in the same path with MainActivity.
    a. Implement it as shown in lecture slide (Example 1).
    b. Implement
        i. addContact
        ii. getContact
        iii. updateContact
        iv. deleteContact

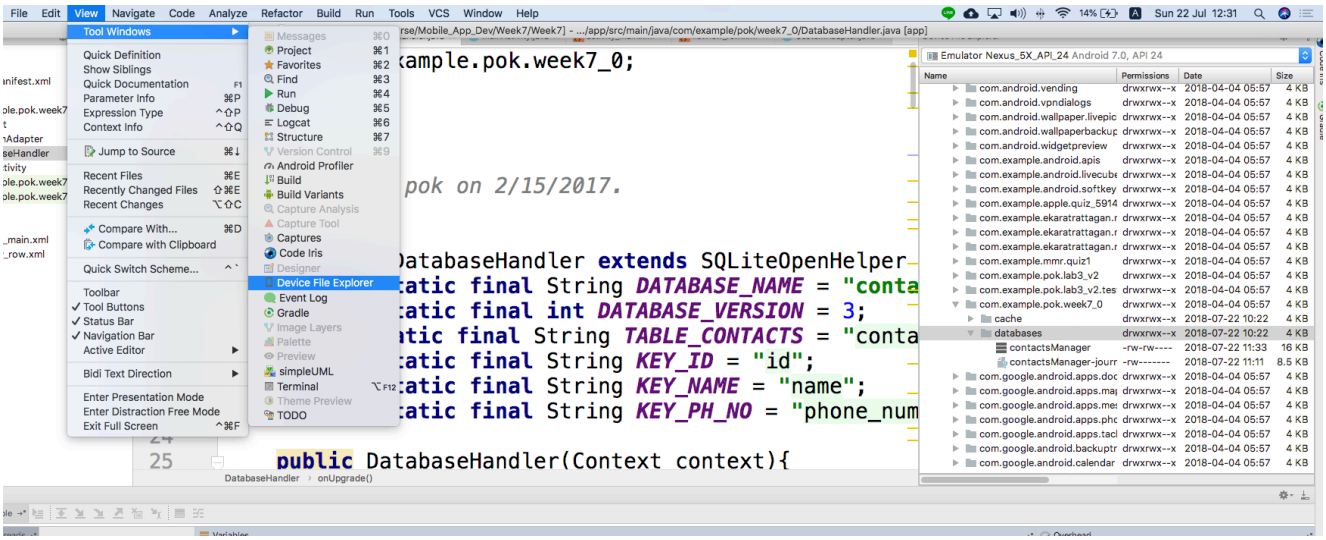
4. Test your app

Code snippet

Implementing in MainActivity.java

```
//1

DatabaseHandler db = new DatabaseHandler(this);

//1 Add

Contact c1 = new Contact("your name","phone number");

db.addContact(c1);

//2 Get

Contact test = db.getContact(1);

Toast t = Toast.makeText(getApplicationContext(),test._name,Toast.LENGTH_LONG);

t.show();

//3 Update

test._phone_number = "new phone number";

db.updateContact(test);

test = db.getContact(1);

t = Toast.makeText(getApplicationContext(),test._phone_number,Toast.LENGTH_LONG);

t.show();

//4 Delete

db.deleteContact(test);

//5 Check delete //Check if your name was deleted

test = db.getContact(1);

t = Toast.makeText(getApplicationContext(),test._name,Toast.LENGTH_LONG);

t.show();
```

How to manage your sqlite db on your computer



1. Goto View > Tool Windows > Device File Explorer
2. Searching your package
    - Go to data > data > your package name > databases > your db file. Then, right click on your db file and save it to your computer.
3. Install DB browser for SQLite from http://sqlitebrowser.org/
4. After finishing modified your db, you can goto data > data > your package name > databases. Then, right click and upload the modified db back to your emulator or real devices.