**Lab 11: SQLite**

1. Create a new Android app.
2. Create a new java file (Contact.java) in the same path with MainActivity.
   1. Implement Contact.java as shown in lecture slide (Example 1).
3. Create a new java file (DatabaseHandler.java) in the same path with MainActivity.
   1. Implement it as shown in lecture slide (Example 1).
   2. Implement
      1. addContact
      2. getContact
      3. updateContact
      4. deleteContact

4. Test your app

* See below

6. Run your sql on browser

<https://www.w3schools.com/sql/trysql.asp?filename=trysql_op_in>

7. How to view database in Android studio

https://stackoverflow.com/questions/17529766/view-contents-of-databas-fi

le-in-android-studio

**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 yoong was deleted*

test = db.getContact(1);

t = Toast.makeText(getApplicationContext(),test.\_name,Toast.***LENGTH\_LONG***);

t.show();

1. Go to Tools -> DDMS or click the Device Monitor icon next to SDK Manager in Tool bar.
2. Device Monitor window will open. In File Explorer tab, click data -> data -> your project name. After that your databases file will open. Click pull a file from device icon. Save the file using .db extension.
3. Open FireFox, Press Alt , Tools -> SQLiteManager.
4. Follow Database -> connect to Database -> browse your database file and click ok. Your SQLite file will opened now.