Q. What is the use of SQLite open helper class inSQLite?

Ans)

A helper class to manage database creation and version management. You create a subclass implementing `onCreate(SQLiteDatabase)`, `onUpgrade(SQLiteDatabase, int, int)` and optionally `onOpen(SQLiteDatabase)`, and this class takes care of opening the database if it exists, creating it if it does not, and upgrading it as necessary. Transactions are used to make sure the database is always in a sensible state.

This class makes it easy for `ContentProvider` implementations to defer opening and upgrading the database until first use, to avoid blocking application startup with long-running database upgrades.

For an example, see the NotePadProvider class in the NotePad sample application, in the *samples/* directory of the SDK.

Some Constructors of this class is:

SQLiteOpenHelper (Context context, String name,
SQLiteDatabase.CursorFactory factory,int version)

Create a helper object to create, open, and/or manage a database. This method always returns very quickly. The database is not actually created or opened until one of getWritableDatabase() or getReadableDatabase() is called.

Q. What is the use of OnUpgrade function in SQLiteOpenHelper class?

Ans)

OnUpgrade is basically for handling new db changes(could be new columns addition,table addition) for any new version of your app.

Droping the table is not always necessary in onUpgrade it all depends on what your use case is. If the requirment is to not to persists the data from your older version of app then drop should help,but if its like changing schema then it should only have alter scripts.

Upgrade means changes have been made to the database schema(version numbers are different) and it needs to be upgraded. Dropping the table and recreating is one way to do that. You could also issue “alter table” statements.

Q. How to show SQLite database table information in Android application what is the best way to do it?

Ans) SQL database table information in android application is showed by using table layout with cursor. Showing database information will be better suited with table layout. Since table layout is not an adaptor view, you can’t use cursor adaptor with it.