**ASSIGN 11.1 (DATABASE STORAGE)**

**Q: 11.1(a) What is the use of SQLite open helper class in SQLite?**

**Answer**: A helper class to manage database creation, upgrading & version

management without loosing state of the previous data.

SQLite open helper is to make it easy to manage create or upgrade of

database tables easily without loosing sensible data. Table creating and

upgrading has to be done carefully because if program crashes in between

while creating or upgrading tables, it should not loose previous data. To

reduce the burden on the programmer, these sensitive data states will

maintained by SQLite open helper.

**Q:11.1(b) What is the use of OnUpgrade function in SQLiteOpenHelper class?**

**Answer:** OnUpgrade is basically for handling new database changes( could be new column addition, table addition) for any new version of the app.

Dropping the table is not always necessary in OnUpgrade. It all depends on what your use case is. If the requirement 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.

**Q: 11.1(c) How to show SQLite database table information in Android application what is the best way to do it?**

**Answer:** Using Table Layout with cursor.

Showing database information will be better suited with table layout. Since table layout is not an adapter view, we cannot use cursor adapter with it. So use table layout with cursor to show database information.