

Assignment 11

Topic: Data Storage

Questions and Answers

1) What is the use of SQLiteOpenHelper in SQLite ?

Answer: In one line use of SQLiteOpenHelper in Android is a helper class to manage database creation and version management. Helper class that helps in creating the database, handling the operations and also the version management that found inside android.database.sqlite package.

2) What is the use of onUpgrade function in SQLiteOpenHelper class ?

Answer: This method is called when database version is upgraded. Suppose for the first time deployment , database version was 1 and in second deployment there was change in database structure like adding extra column in table. Suppose database version is 2 now. So we can handle it as below inside the method onUpgrade.

3) How to show SQLite database table information in Android Application what is the best way to do it ?

Answer: Android provides the ListView to show the SQLite database table data. For that purpose following is the best way. SQLiteDatabase class has a method named called as query() or rawSQL() through which we can get records from a table. The query() method returns Cursor object. Cursor object will going to hold the set of records we can iterate over the all records by calling the moveToNext() method of Cursor object. At each iteration get the row and build the model class using cursor record values and add it to the arraylist. Finally call the setAdapter class of listview method and pass the arraylist as argument.