Assignment no.3 Title - Android database connectivity Roblem statement -- Android - database connectivity - create on solite application for android application & perform database applications. Theory what is solite? It is an sol datebase. So in sol database we start data base in tubles. The tubles are structure for storing data consisting rows & columns andraid salite -- It is very lightweight database which comes with android as. Android Salite combines a clean SQL interface with a very small memory. footprint & decent speed. For android sqLite, is "baked into" android runtime, so every android application can create its solite database,

changing database schemes, which mostly depends on using solite open Helper classe - It is designed to get rid of two very common problems:

- Android has features available to handle

- solite is typical relational database.

Android Solite Helper -

Just have a database. So we will have to create tables, indexes, starter data on so on these logic to create & custom subclass upgrade as per our specifications.

public DatuBaseHelper (context context) {
Super (context, DB-NAME, null, DB-Version);
}

- 1. On Create: To create database
- 2. On Upgrade: It is called when scheme version we need not notch the scheme version of database. It passes us a solite Database object
- Opening & closing Android Salite dutabase
- like insert, delete, update in table, apen database connectivity by calling get writable Database () method
 - public DBManager open () throw sal Exceptions db Helper = new Database Helper (context); database db Helper · get Writable Database (); return this;

The dbHelper is an instance of subclass of To close database connection, following method public void close () & db. Helper close (); Android solite cusor: -A cursor represents the entire result set of query. Once query is fetched a call to cursor MoveTofis+() is made calling moveTofis+() +00 does two things: It allows us to test whether query returned an empty set It moves cursor to fixt result. public (uxor-feten () { String[] colums = new string[] { Database Helper ID, Database Helper, SUBJECT. Database Helper-DESC3; Cuxor cursor = database query (Database Helpe TABLE-NAME, columns, null, null, null, null, null, null); if (CUXOR! = NULL) & cysor moverofix+(); return curror;

43212 Conclusion - we learnt that, + How to use solite DB & perform CRUD operations on it Android studio - How to use cursors.