

Quiz 3

1. Which method name, overridden from SQLiteOpenHelper, is used to handle logic when upgrading the database schema?

- a) onOpen()
- ☒ b) onUpgrade()
- c) onCreate()
- d) onUpdate()

2. What change will trigger the onUpgrade() method to run when users install a new version of the app?

- a) Changing the database name
- ☒ b) Incrementing the DATABASE_VERSION constant
- c) Adding a new table to the database
- d) Deleting records from an existing table

Create an Android application that utilizes SQLiteOpenHelper to manage an SQLiteDatabase. Ensure the database is created with a proper name and version number. Define a schema with a "Students" table, including columns for "ID" (integer, primary key, auto-increment) and "Name" (text). Insert at least two records into the "Students" table with unique IDs and names of your choice. Retrieve all records from the "Students" table and display them in a fragment or activity using RecyclerView to present the data in a list format. Implement error handling for database creation, record insertion, and data retrieval processes. [8 Marks]