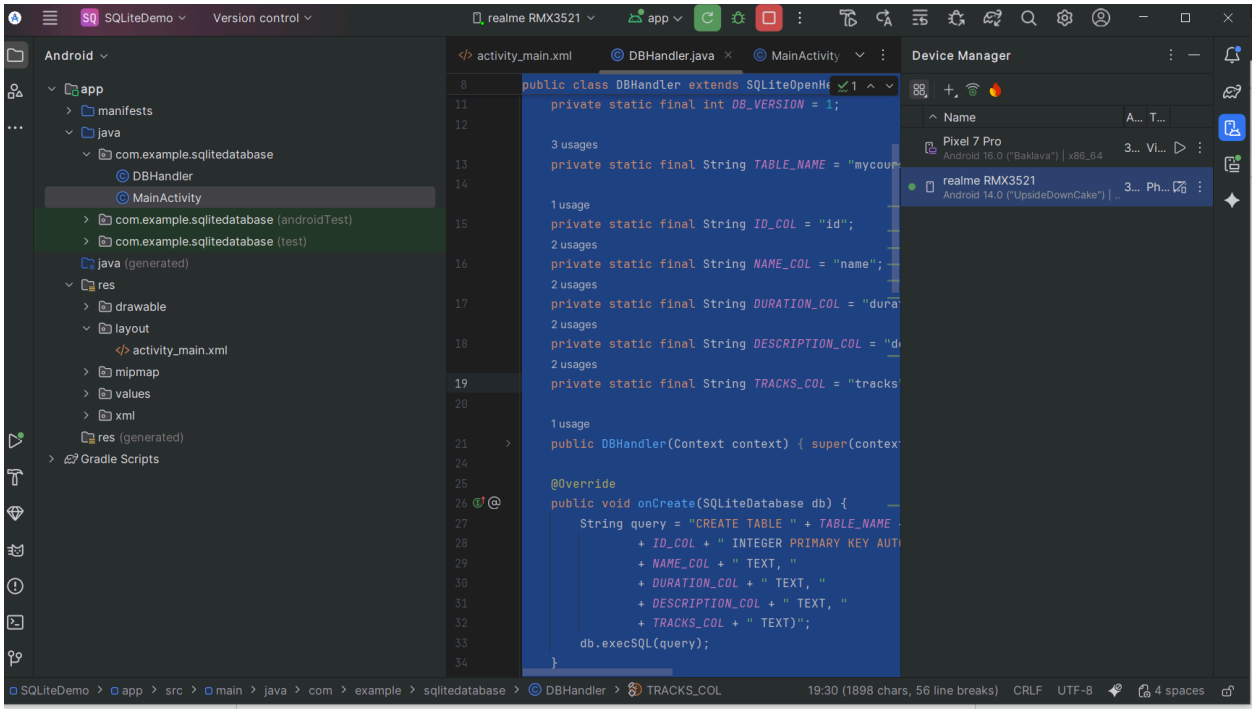
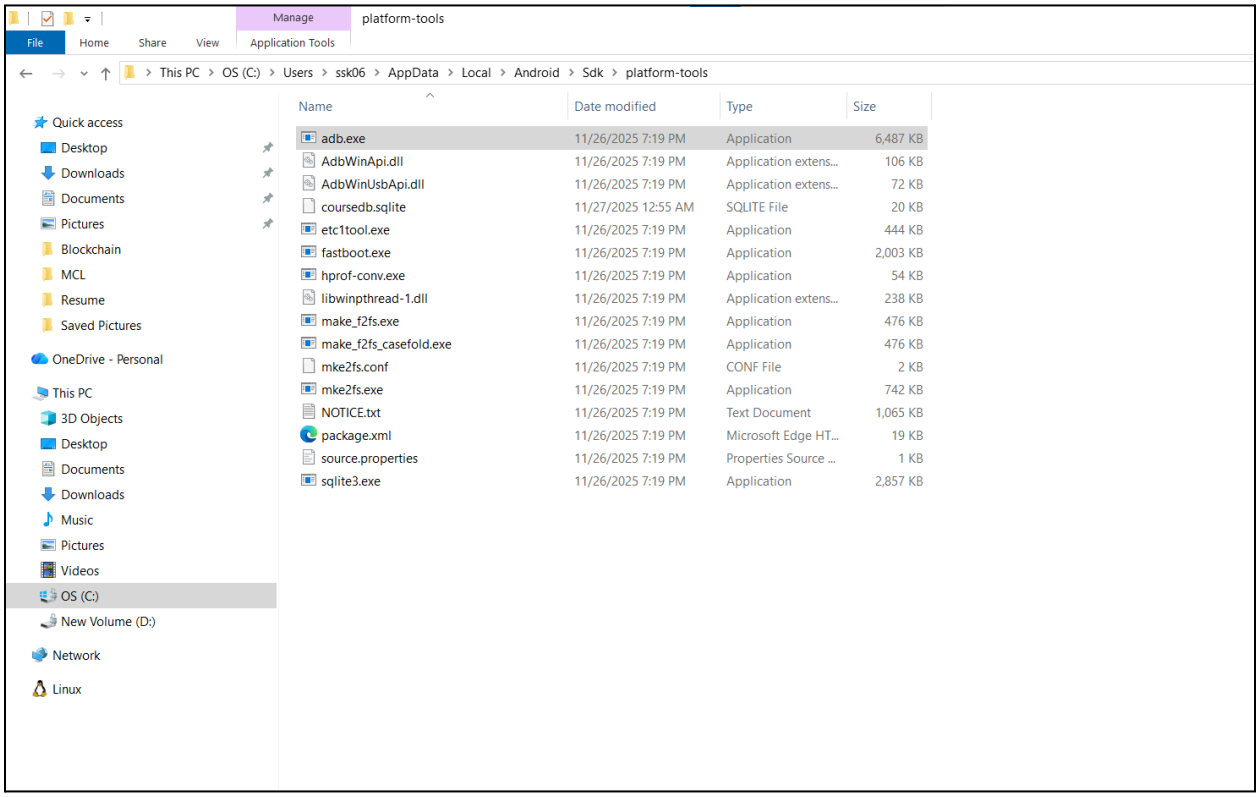
Practical 18





हाँ, आपका कमांड सही है और आपने उसे सही जगह पर चलाया है—**platform-tools** फोल्डर में, जहाँ adb.exe होता है।

अगर कोई error नहीं आया है और command prompt में फिर cursor आ गया है, इसका मतलब आपकी डाटा फाइल `coursedb.sqlite` आपके इसी फोल्डर में क्रिएट हो गई है।

अब आगे क्या करें:

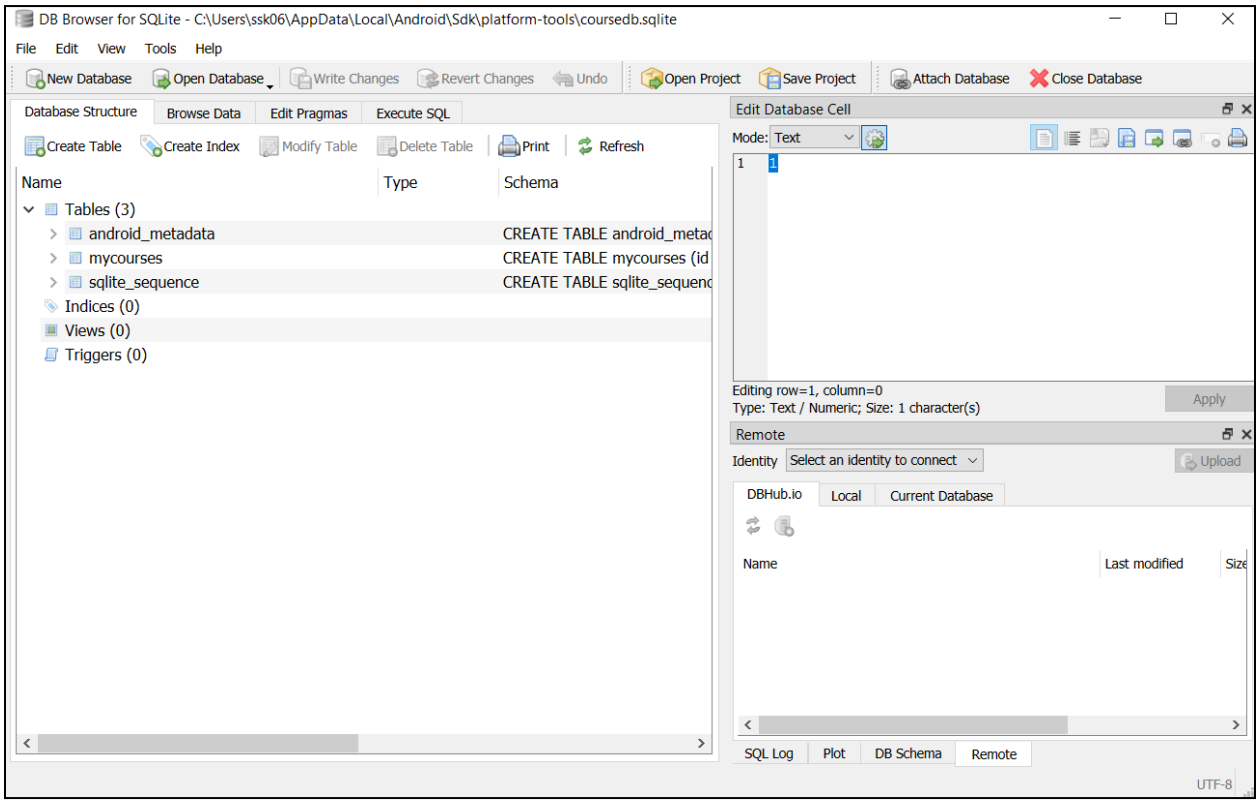
1. उस फोल्डर (**platform-tools**) में जाएँ और देखिए कि `coursedb.sqlite` फाइल वहाँ बनी है या नहीं।
2. **DB Browser for SQLite** ओपन करें।
3. **Open Database** पर क्लिक करें और `coursedb.sqlite` सेलेक्ट करें।
4. ऊपर "Browse Data" टैब में जाएँ, Table dropdown से `mycourses` सेलेक्ट करें।
5. अब आपके Android ऐप का डेटा दिखेगा।

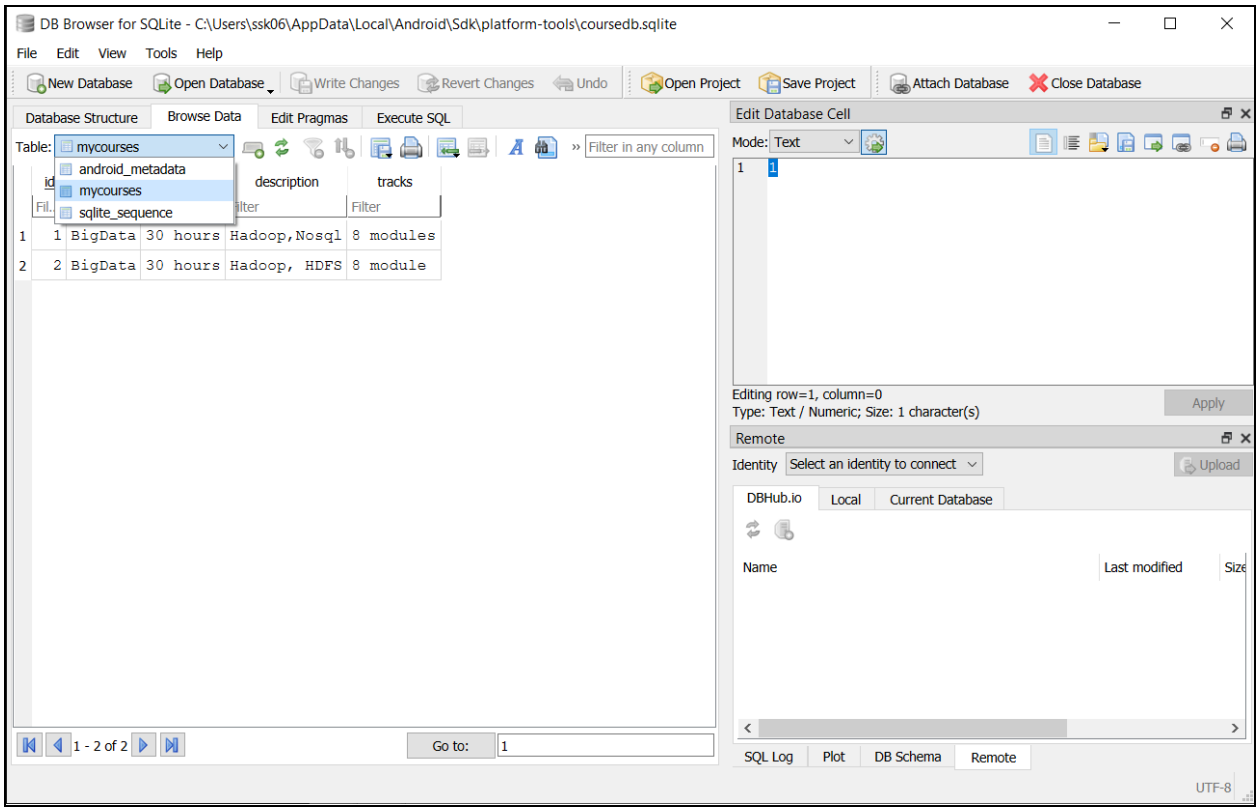
अगर फाइल नहीं दिख रही है:

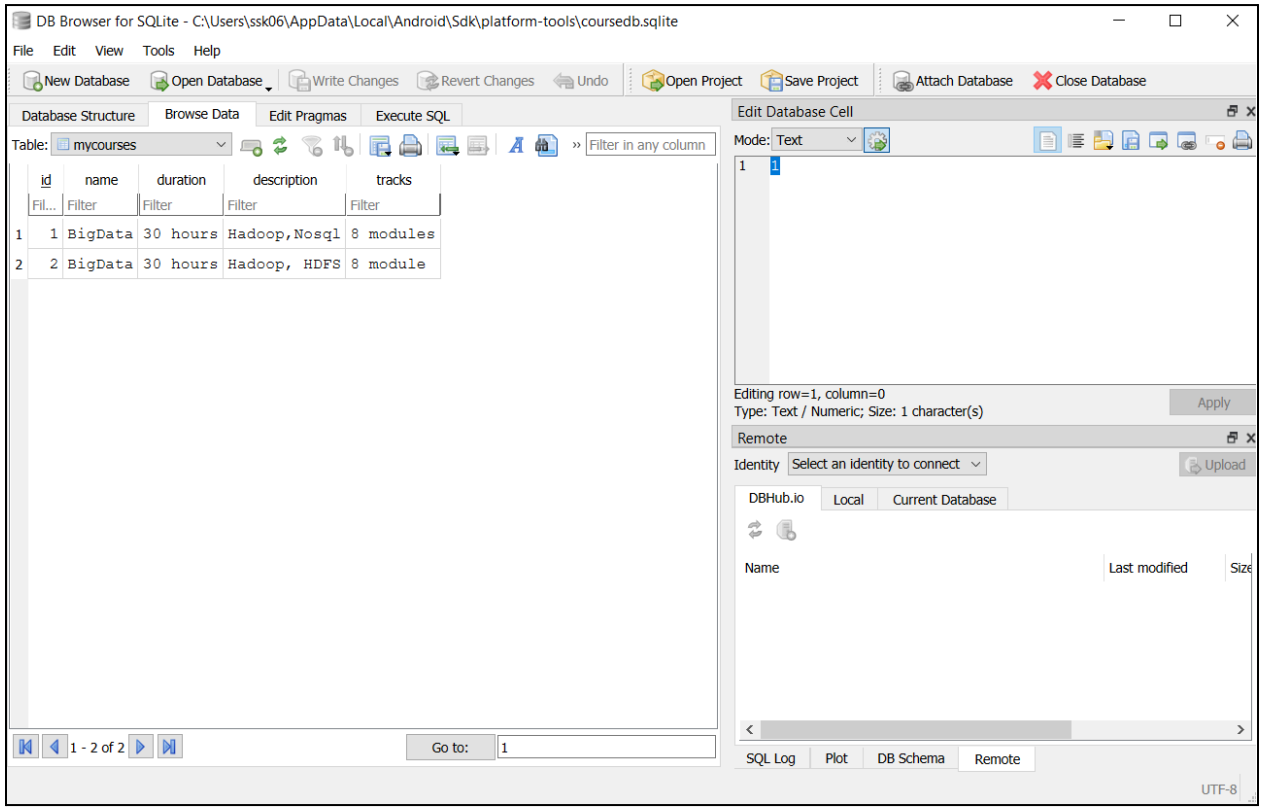
- रिफ्रेश करें या Windows Explorer में platform-tools फोल्डर चेक करें।
- फोल्डर या path सही है तो ज़रूर फाइल दिखाई देगी।

अब आप आराम से DB Browser में पूरा डेटा देख सकते हैं!
अगर कोई दिक्कत या next step पूछना हो, बताएं।

1 source




DB Browser for SQLite - C:\Users\ssk06\AppData\Local\Android\Sdk\platform-tools\coursedb.sqlite
File Edit View Tools Help
New Database Open Database Write Changes Revert Changes Undo Open Project Save Project Attach Database Close Database
Database Structure Browse Data Edit Pragmas Execute SQL
Table: mycourses
android_metadata
mycourses
sqlite_sequence
Filter in any column
id description tracks
1 1 BigData 30 hours Hadoop,Nosql 8 modules
2 2 BigData 30 hours Hadoop, HDFS 8 module
1 - 2 of 2
Go to: 1
Edit Database Cell
Mode: Text
Editing row=1, column=0
Type: Text / Numeric; Size: 1 character(s)
Apply
Remote
Identity Select an identity to connect
Upload
DBHub.io Local Current Database
Name Last modified Size
SQL Log Plot DB Schema Remote
UTF-8


DB Browser for SQLite - C:\Users\ssk06\AppData\Local\Android\Sdk\platform-tools\coursedb.sqlite
File Edit View Tools Help
New Database Open Database Write Changes Revert Changes Undo Open Project Save Project Attach Database Close Database
Database Structure Browse Data Edit Pragmas Execute SQL
Table: mycourses
Filter in any column
id name duration description tracks
1 1 BigData 30 hours Hadoop,Nosql 8 modules
2 2 BigData 30 hours Hadoop, HDFS 8 module
1 - 2 of 2
Go to: 1
Edit Database Cell
Mode: Text
Editing row=1, column=0
Type: Text / Numeric; Size: 1 character(s)
Apply
Remote
Identity Select an identity to connect
Upload
DBHub.io Local Current Database
Name Last modified Size
SQL Log Plot DB Schema Remote
UTF-8

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
   xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout_width="match_parent"
   android:layout_height="match_parent"
   android:orientation="vertical"
   android:padding="10dp">

   <EditText
       android:id="@+id/idEdtCourseName"
       android:layout_width="match_parent"
       android:layout_height="wrap_content"
       android:hint="Enter course Name"
       android:layout_marginTop="10dp"/>

   <EditText
       android:id="@+id/idEdtCourseDuration"
       android:layout_width="match_parent"
       android:layout_height="wrap_content"
       android:hint="Enter Course Duration"
       android:layout_marginTop="10dp"/>

   <EditText
       android:id="@+id/idEdtCourseTracks"
       android:layout_width="match_parent"
       android:layout_height="wrap_content"
       android:hint="Enter Course Tracks"
       android:layout_marginTop="10dp"/>

   <EditText
       android:id="@+id/idEdtCourseDescription"
       android:layout_width="match_parent"
       android:layout_height="wrap_content"
       android:hint="Enter Course Description"
       android:layout_marginTop="10dp"/>

   <Button
       android:id="@+id/idBtnAddCourse"
       android:layout_width="match_parent"
       android:layout_height="wrap_content"
       android:text="Add Course"
       android:layout_marginTop="15dp"
       android:textAllCaps="false" />

</LinearLayout>
```

DBHandler.java

```
package com.example.sqlitedatabase;

import android.content.ContentValues;
import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

public class DBHandler extends SQLiteOpenHelper {

   private static final String DB_NAME = "coursedb";
   private static final int DB_VERSION = 1;

   private static final String TABLE_NAME = "mycourses";

   private static final String ID_COL = "id";
   private static final String NAME_COL = "name";
   private static final String DURATION_COL = "duration";
   private static final String DESCRIPTION_COL = "description";
   private static final String TRACKS_COL = "tracks";

   public DBHandler(Context context) {
       super(context, DB_NAME, null, DB_VERSION);
   }

   @Override
   public void onCreate(SQLiteDatabase db) {
       String query = "CREATE TABLE " + TABLE_NAME + " ("
               + ID_COL + " INTEGER PRIMARY KEY AUTOINCREMENT, "
               + NAME_COL + " TEXT, "
               + DURATION_COL + " TEXT, "
               + DESCRIPTION_COL + " TEXT, "
               + TRACKS_COL + " TEXT)";
       db.execSQL(query);
   }

   @Override
   public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {
       db.execSQL("DROP TABLE IF EXISTS " + TABLE_NAME);
       onCreate(db);
   }

   // Method to add data to the database
   public void addNewCourse(String courseName, String courseDuration, String
courseDescription, String courseTracks) {
       SQLiteDatabase db = this.getWritableDatabase();

       ContentValues values = new ContentValues();
```

```
        values.put(NAME_COL, courseName);
        values.put(DURATION_COL, courseDuration);
        values.put(DESCRIPTION_COL, courseDescription);
        values.put(TRACKS_COL, courseTracks);

        db.insert(TABLE_NAME, null, values);
        db.close();
    }
}
```

mainActivity.java

```
package com.example.sqlitedatabase;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    private EditText courseNameEdt, courseTracksEdt, courseDurationEdt,
courseDescriptionEdt;
    private Button addCourseBtn;
    private DBHandler dbHandler;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        courseNameEdt = findViewById(R.id.idEdtCourseName);
        courseTracksEdt = findViewById(R.id.idEdtCourseTracks);
        courseDurationEdt = findViewById(R.id.idEdtCourseDuration);
        courseDescriptionEdt = findViewById(R.id.idEdtCourseDescription);
        addCourseBtn = findViewById(R.id.idBtnAddCourse);

        dbHandler = new DBHandler(MainActivity.this);

        addCourseBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                String courseName = courseNameEdt.getText().toString().trim();
```

```
                String courseTracks =
courseTracksEdt.getText().toString().trim();
                String courseDuration =
courseDurationEdt.getText().toString().trim();
                String courseDescription =
courseDescriptionEdt.getText().toString().trim();

                if (courseName.isEmpty() || courseTracks.isEmpty() ||
courseDuration.isEmpty() || courseDescription.isEmpty()) {
                    Toast.makeText(MainActivity.this, "Please enter all the
data.", Toast.LENGTH_SHORT).show();
                    return;
                }

                dbHandler.addNewCourse(courseName, courseDuration,
courseDescription, courseTracks);

                Toast.makeText(MainActivity.this, "Course has been added.",
Toast.LENGTH_SHORT).show();

                courseNameEdt.setText("");
                courseDurationEdt.setText("");
                courseTracksEdt.setText("");
                courseDescriptionEdt.setText("");
            }
        });
    }
}
```