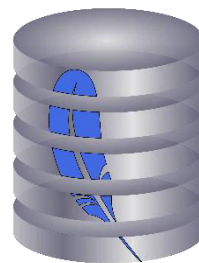
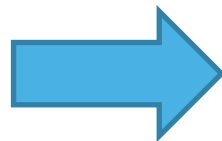
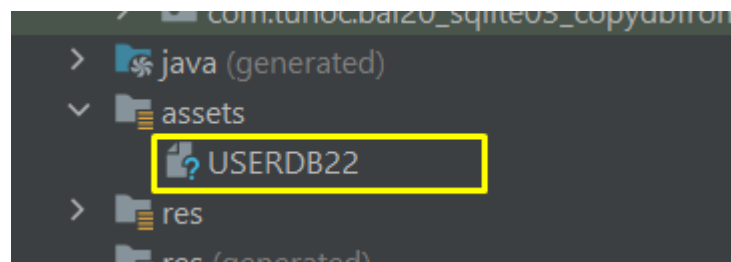




SQLite Copy SQLite database from assets to androidstudio kotlin



1

Tạo database

SQLiteStudio (3.3.3) - [TUHOC (TUHOCDB)]

Database Structure View Tools Help

Databases

Filter by name

- TUHOCDB (SQLite 3)
 - Tables (2)
 - android_metadata
 - TUHOC**
 - Views

Structure Data Constraints Indexes Triggers DDL

TUHOCDB Table name: **TUHOC** ☐ WITHOUT ROWID

	Name	Data type	Primary Key	Foreign Key	Unique	Check	Not NULL	Collate	Generated	Default value
1	_id	integer								NULL
2	user	TEXT								NULL
3	email	TEXT								NULL

Type Name Details



1

Add data vào bảng

SQLiteStudio (3.3.3) - [TUHOC (TUGOCDB)]

Database Structure View Tools Help

Databases

Filter by name

- TUGOCDB (SQLite 3)
 - Tables (1)
 - TUHOC
 - Views

Structure Data Constraints Indexes Triggers DDL

Grid view Form view

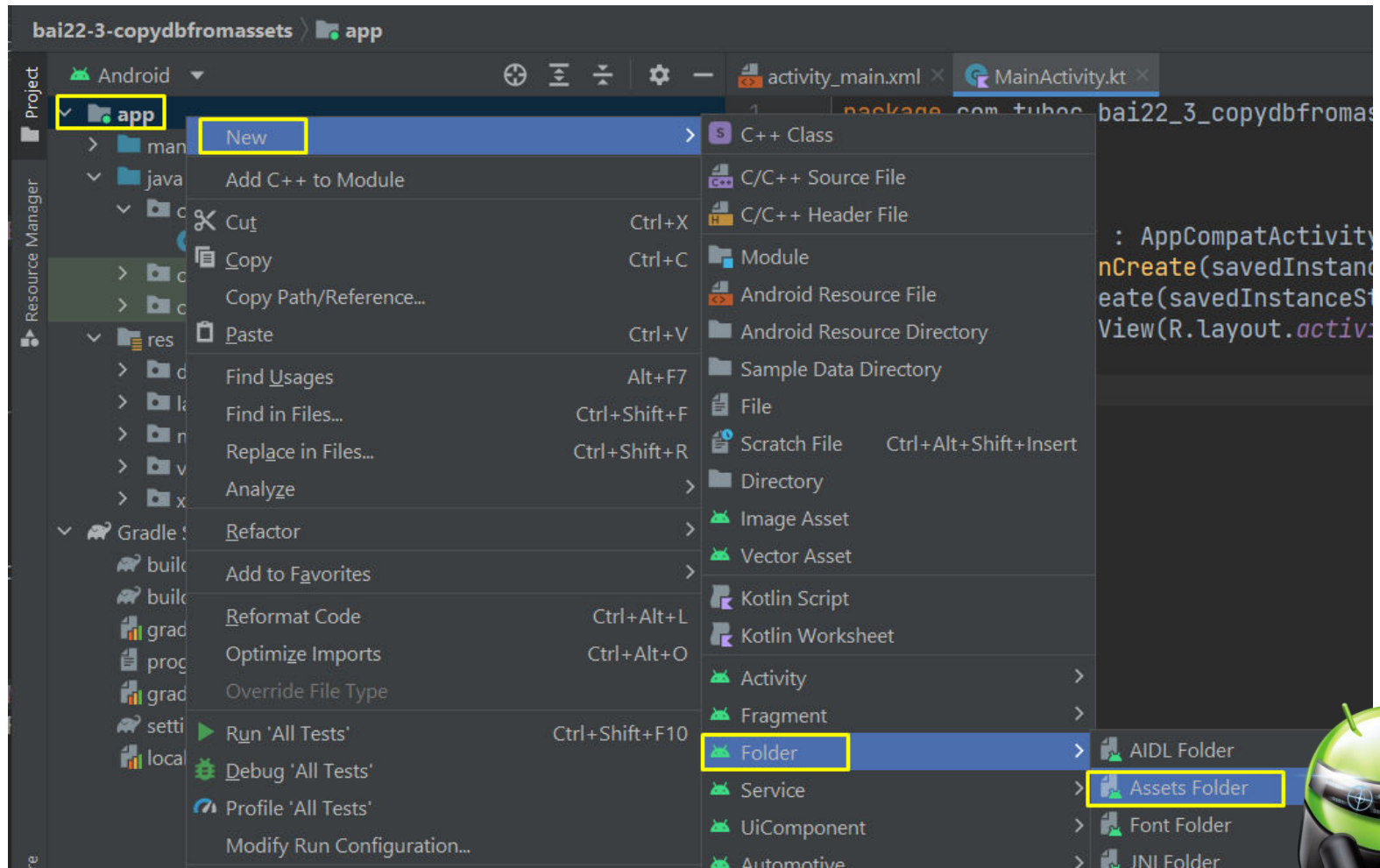
Total rows loaded: 0

	_id	user	email
1	NULL	3	ba@gmail.com
2	NULL	2	hai@gmail.com
3	NULL	1	mot@gmail.com



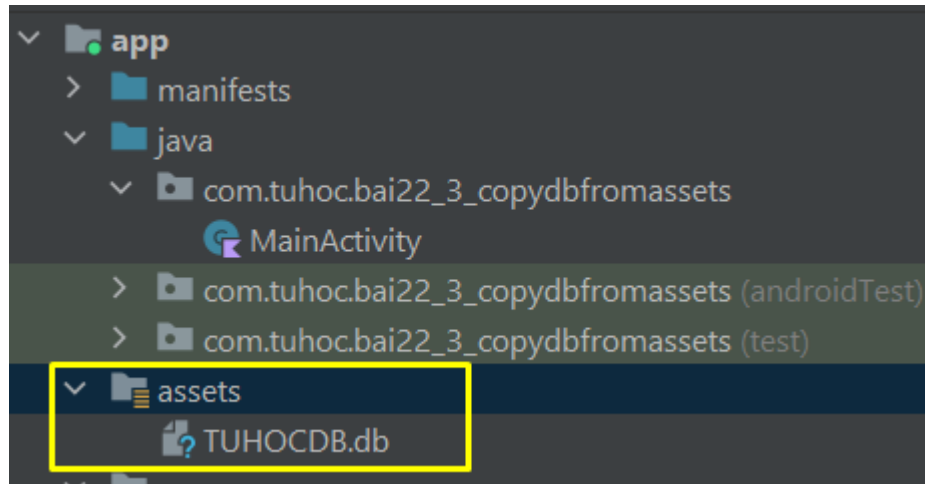
2

Copy db vào assets



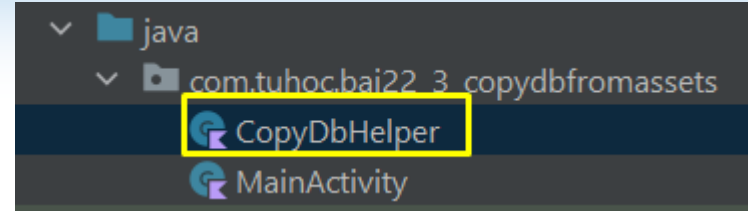
2

Copy db vào assets



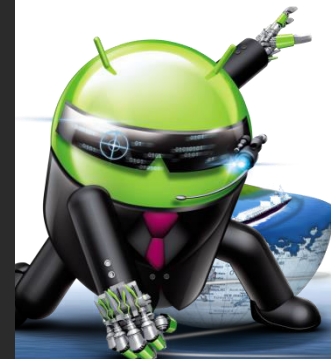
3

Tạo class CopyDbHelper



```
class CopyDbHelper(private val context: Context) {
    companion object {
        private val DB_NAME = "TUHOCDB.db"
    }
    fun openDatabase(): SQLiteDatabase {
        val dbFile = context.getDatabasePath(DB_NAME)
        Log.wtf(tag: "wtf", dbFile.toString())
        val file = File(dbFile.toString())
        if (file.exists()) {
            //không làm gì cả
            Log.e(tag: "tuhoc", msg: "file đã tồn tại")
        } else {
            copyDatabase(dbFile)
        }
        return SQLiteDatabase.openDatabase(dbFile.path, factory: null, SQLiteDatabase.OPEN_READWRITE)
    }

    private fun copyDatabase(dbFile : File){
        val openDB = context.assets.open(DB_NAME)
        val outputStream = FileOutputStream(dbFile)
        val buffer = ByteArray(size: 1024)
        while (openDB.read(buffer)>0){
            outputStream.write(buffer)
            Log.wtf(tag: "DB", msg: "writing")
        }
        outputStream.flush()
        outputStream.close()
        openDB.close()
        Log.wtf(tag: "DB", msg: "copy DB completed")
    }
}
```



4

Code MainActivity

```

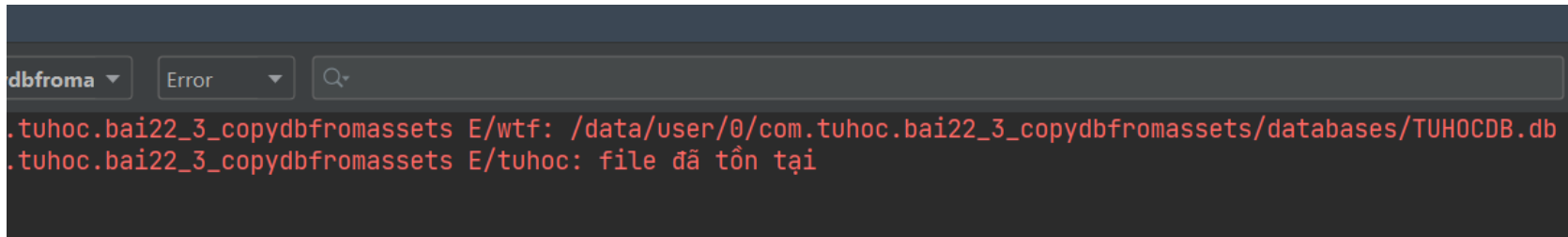
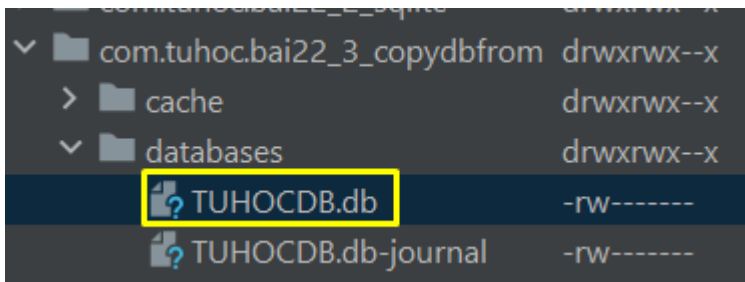
activity_main.xml × MainActivity.kt × CopyDbHelper.kt ×
1  package com.tuhoc.bai22_3_copydbfromassets
2
3  import ...
4
5
6  class MainActivity : AppCompatActivity() {
7
8      private var db: CopyDbHelper? = null
9
10     override fun onCreate(savedInstanceState: Bundle?) {
11         super.onCreate(savedInstanceState)
12         setContentView(R.layout.activity_main)
13
14         //1.sao chép database
15         db = CopyDbHelper(context: this)
16         db?.openDatabase()
17     }
18 }

```



5

Kiểm tra db và test thử



File chỉ được copy lần đầu tiên khởi chạy, từ lần thứ 2 file đã tồn tại sẽ không bị copy đè

