Lab 3 nguyễn quang tiến

package com.example.nguyenquangtien;  
  
import android.content.ContentValues;  
import android.content.Context;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.database.sqlite.SQLiteOpenHelper;  
  
import java.util.ArrayList;  
import java.util.List;  
  
public class DatabaseHelper extends SQLiteOpenHelper {  
  
 private static final String *DATABASE\_NAME* = "contactsManager";  
 private static final int *DATABASE\_VERSION* = 1;  
  
 private static final String *TABLE\_CONTACTS* = "contacts";  
 private static final String *KEY\_ID* = "id";  
 private static final String *KEY\_NAME* = "name";  
 private static final String *KEY\_PHONE* = "phone\_number";  
  
 public DatabaseHelper(Context context) {  
 super(context, *DATABASE\_NAME*, null, *DATABASE\_VERSION*);  
 }  
  
 @Override  
 public void onCreate(SQLiteDatabase db) {  
 String CREATE\_CONTACTS\_TABLE = "CREATE TABLE " + *TABLE\_CONTACTS* + "("  
 + *KEY\_ID* + " INTEGER PRIMARY KEY AUTOINCREMENT,"  
 + *KEY\_NAME* + " TEXT,"  
 + *KEY\_PHONE* + " TEXT" + ")";  
 db.execSQL(CREATE\_CONTACTS\_TABLE);  
 }  
  
 @Override  
 public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {  
 db.execSQL("DROP TABLE IF EXISTS " + *TABLE\_CONTACTS*);  
 onCreate(db);  
 }  
  
 // Thêm contact  
 public void addContact(Contact contact) {  
 SQLiteDatabase db = this.getWritableDatabase();  
 ContentValues values = new ContentValues();  
 values.put(*KEY\_NAME*, contact.getName());  
 values.put(*KEY\_PHONE*, contact.getPhoneNumber());  
 db.insert(*TABLE\_CONTACTS*, null, values);  
 db.close();  
 }  
  
 // Lấy tất cả contact  
 public List<Contact> getAllContacts() {  
 List<Contact> contactList = new ArrayList<>();  
 String selectQuery = "SELECT \* FROM " + *TABLE\_CONTACTS*;  
  
 SQLiteDatabase db = this.getReadableDatabase();  
 Cursor cursor = db.rawQuery(selectQuery, null);  
  
 if (cursor.moveToFirst()) {  
 do {  
 Contact contact = new Contact();  
 contact.setId(cursor.getInt(0));  
 contact.setName(cursor.getString(1));  
 contact.setPhoneNumber(cursor.getString(2));  
 contactList.add(contact);  
 } while (cursor.moveToNext());  
 }  
  
 cursor.close();  
 return contactList;  
 }  
  
 // Xóa contact  
 public void deleteContact(Contact contact) {  
 SQLiteDatabase db = this.getWritableDatabase();  
 db.delete(*TABLE\_CONTACTS*, *KEY\_ID* + " = ?", new String[]{String.*valueOf*(contact.getId())});  
 db.close();  
 }  
}

bước 2

package com.example.nguyenquangtien;  
  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
  
import androidx.annotation.NonNull;  
import androidx.fragment.app.Fragment;  
import androidx.navigation.fragment.NavHostFragment;  
  
import com.example.nguyenquangtien.databinding.FragmentFirstBinding;  
  
public class FirstFragment extends Fragment {  
  
 private FragmentFirstBinding binding;  
  
 @Override  
 public View onCreateView(  
 @NonNull LayoutInflater inflater, ViewGroup container,  
 Bundle savedInstanceState  
 ) {  
  
 binding = FragmentFirstBinding.*inflate*(inflater, container, false);  
 return binding.getRoot();  
  
 }  
  
 public void onViewCreated(@NonNull View view, Bundle savedInstanceState) {  
 super.onViewCreated(view, savedInstanceState);  
  
 binding.buttonFirst.setOnClickListener(v ->  
 NavHostFragment.*findNavController*(FirstFragment.this)  
 .navigate(R.id.*action\_FirstFragment\_to\_SecondFragment*)  
 );  
 }  
  
 @Override  
 public void onDestroyView() {  
 super.onDestroyView();  
 binding = null;  
 }  
  
}

