==========================MainActivity=====================================

package com.demosqlite;

import android.app.AlertDialog;

import android.content.DialogInterface;

import android.content.Intent;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.view.ContextMenu;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ListView;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

ArrayList<Author> authors;

AuthorAdapter adapter;

ListView lv;

int posSelected;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

setTitle("Main");

lv = (ListView) findViewById(R.id.lv);

MyDatabaseHelper db = new MyDatabaseHelper(this);

db.addNote(new Author("NGuyễn Tường Minh Uyên", "0976671809", "Long AN"));

authors = (ArrayList<Author>) db.getAllAuthor();

adapter = new AuthorAdapter(getApplicationContext(), 1, authors);

lv.setAdapter(adapter);

registerForContextMenu(lv);

lv.setOnItemLongClickListener(new AdapterView.OnItemLongClickListener() {

@Override

public boolean onItemLongClick(AdapterView<?> adapterView, View view, int i, long l) {

posSelected = i;

return false;

}

});

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

getMenuInflater().inflate(R.menu.main, menu);

return true;

}

@Override

protected void onActivityResult(int requestCode, int resultCode, Intent data) {

if(resultCode==RESULT\_OK){

if(requestCode==0){

authors.set(posSelected, (Author) data.getSerializableExtra("AUTHOR"));

adapter.notifyDataSetChanged();

}

}

super.onActivityResult(requestCode, resultCode, data);

}

@Override

public boolean onContextItemSelected(MenuItem item) {

if (item.getItemId() == 0) {

Intent intent = new Intent(MainActivity.this, EditActivity.class);

intent.putExtra("AUTHOR", authors.get(posSelected));

startActivityForResult(intent,0);

} else {

new AlertDialog.Builder(this)

.setMessage(" Are you sure you want to delete?")

.setCancelable(false)

.setPositiveButton("Yes", new DialogInterface.OnClickListener() {

public void onClick(DialogInterface dialog, int id) {

MyDatabaseHelper db = new MyDatabaseHelper(getApplicationContext());

db.deleteAutor(authors.get(posSelected));

authors.remove(posSelected);

adapter.notifyDataSetChanged();

}

})

.setNegativeButton("No", null)

.show();

}

return super.onContextItemSelected(item);

}

@Override

public void onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo menuInfo) {

super.onCreateContextMenu(menu, v, menuInfo);

menu.setHeaderTitle("Select The Action");

// groupId, itemId, order, title

menu.add(0, 0, 0, "Edit");

menu.add(0, 1, 1, "Delete");

}

}

================AuthorAdapter========================================

package com.demosqlite;

import android.app.Activity;

import android.content.Context;

import android.support.annotation.NonNull;

import android.support.annotation.Nullable;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.ArrayAdapter;

import android.widget.TextView;

import java.util.List;

/\*\*

\* Created by Administrator on 4/19/2017.

\*/

public class AuthorAdapter extends ArrayAdapter<Author> {

List<Author> authors;

Context context;

public AuthorAdapter(Context context, int resource, List<Author> authors) {

super(context, resource, authors);

this.context = context;

this.authors = authors;

}

@Override

public View getView(int position, View convertView, ViewGroup parent) {

convertView = LayoutInflater.from(getContext()).inflate(R.layout.item\_author, parent, false);

TextView tvFullname = (TextView) convertView.findViewById(R.id.tvFullname);

TextView tvPhone = (TextView) convertView.findViewById(R.id.tvPhone);

TextView tvAddress = (TextView) convertView.findViewById(R.id.tvAddress);

tvFullname.setText(authors.get(position).fullname);

tvPhone.setText(authors.get(position).tel);

tvAddress.setText(authors.get(position).address);

return convertView;

}

//spinner

@Override

public View getDropDownView(int position, @Nullable View convertView, @NonNull ViewGroup parent) {

convertView = LayoutInflater.from(getContext()).inflate(R.layout.item\_author, parent, false);

TextView tvFullname = (TextView) convertView.findViewById(R.id.tvFullname);

TextView tvPhone = (TextView) convertView.findViewById(R.id.tvPhone);

TextView tvAddress = (TextView) convertView.findViewById(R.id.tvAddress);

tvFullname.setText(authors.get(position).fullname);

tvPhone.setText(authors.get(position).tel);

tvAddress.setText(authors.get(position).address);

return convertView;

}

}

===========================================MyDatabaseHelper=============================

package com.demosqlite;

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;

/\*\*

\* Created by Administrator on 4/19/2017.

\*/

public class MyDatabaseHelper extends SQLiteOpenHelper {

private static final int DATABASE\_VERSION = 1;

private static final String DATABASE\_NAME = "books";

private static final String TABLE\_AUTHOR = "tblAuthors";

private static final String COLUMN\_ID = "ID";

private static final String COLUMN\_FULLNAME = "fullname";

private static final String COLUMN\_TEL = "tel";

private static final String COLUMN\_ADDRESS = "address";

public MyDatabaseHelper(Context context) {

super(context, DATABASE\_NAME, null, DATABASE\_VERSION);

}

// Tạo các bảng.

@Override

public void onCreate(SQLiteDatabase db) {

String script = "CREATE TABLE " + TABLE\_AUTHOR + "("

+ COLUMN\_ID + " INTEGER PRIMARY KEY," + COLUMN\_FULLNAME + " TEXT,"

+ COLUMN\_TEL + " TEXT," + COLUMN\_ADDRESS + " TEXT" + ")";

db.execSQL(script);

}

@Override

public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {

db.execSQL("DROP TABLE IF EXISTS " + TABLE\_AUTHOR);

onCreate(db);

}

public void addNote(Author author) {

SQLiteDatabase db = this.getWritableDatabase();

ContentValues values = new ContentValues();

values.put(COLUMN\_FULLNAME, author.fullname);

values.put(COLUMN\_TEL, author.tel);

values.put(COLUMN\_ADDRESS, author.address);

// Trèn một dòng dữ liệu vào bảng.

db.insert(TABLE\_AUTHOR, null, values);

db.close();

}

/\* public Author author(int id) {

\*//\* SQLiteDatabase db = this.getReadableDatabase();

Cursor cursor = db.query(TABLE\_NOTE, new String[]{COLUMN\_NOTE\_ID,

COLUMN\_NOTE\_TITLE, COLUMN\_NOTE\_CONTENT}, COLUMN\_NOTE\_ID + "=?",

new String[]{String.valueOf(id)}, null, null, null, null);

if (cursor != null)

cursor.moveToFirst();

Note note = new Note(Integer.parseInt(cursor.getString(0)),

cursor.getString(1), cursor.getString(2));

// return note

return note;\*//\*

}

\*/

public List<Author> getAllAuthor() {

List<Author> authors = new ArrayList<Author>();

// Select All Query

String selectQuery = "SELECT \* FROM " + TABLE\_AUTHOR;

SQLiteDatabase db = this.getWritableDatabase();

Cursor cursor = db.rawQuery(selectQuery, null);

// Duyệt trên con trỏ, và thêm vào danh sách.

if (cursor.moveToFirst()) {

do {

Author author = new Author();

author.ID = Integer.parseInt(cursor.getString(0));

author.fullname = cursor.getString(1);

author.address = cursor.getString(2);

// Thêm vào danh sách.

authors.add(author);

} while (cursor.moveToNext());

}

// return note list

return authors;

}

/\* public int getNotesCount() {

Log.i(TAG, "MyDatabaseHelper.getNotesCount ... ");

String countQuery = "SELECT \* FROM " + TABLE\_NOTE;

SQLiteDatabase db = this.getReadableDatabase();

Cursor cursor = db.rawQuery(countQuery, null);

int count = cursor.getCount();

cursor.close();

// return count

return count;

}

\*/

public int updateNote(Author author) {

SQLiteDatabase db = this.getWritableDatabase();

ContentValues values = new ContentValues();

values.put(COLUMN\_FULLNAME, author.fullname);

values.put(COLUMN\_TEL, author.tel);

values.put(COLUMN\_ADDRESS, author.address);

// updating row

return db.update(TABLE\_AUTHOR, values, COLUMN\_ID + " = ?",

new String[]{String.valueOf(author.ID)});

}

public void deleteAutor(Author author) {

SQLiteDatabase db = this.getWritableDatabase();

db.delete(TABLE\_AUTHOR, COLUMN\_ID + " = ?",

new String[]{String.valueOf(author.ID)});

db.close();

}

}

===============================EditActivity===============================

package com.demosqlite;

import android.content.Intent;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.widget.Toast;

public class EditActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_edit);

setTitle("Edit");

Author author = (Author) getIntent().getSerializableExtra("AUTHOR");

author.fullname="Uyên";

author.address="Bình Phước";

Toast.makeText(getApplicationContext(), author.fullname, Toast.LENGTH\_LONG).show();

MyDatabaseHelper db=new MyDatabaseHelper(this);

db.updateNote(author);

Intent intent=new Intent(EditActivity.this,MainActivity.class);

intent.putExtra("AUTHOR",author);

setResult(RESULT\_OK,intent);

finish();

}

}