2Practical:-13

* MainActivity.java

package com.example.sqltry;

import java.util.\*;

import android.app.Activity;

import android.content.\*;

import android.database.\*;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.view.\*;

import android.widget.\*;

public class MainActivity extends AppCompatActivity {

EditText des, con, area, city;

AutoCompleteTextView name;

Button add, show, update, delete, reset;

SQLiteDatabase db;

private static final String DB\_NAME = "myDB.db";

private static final String TABLE\_NAME = "emp\_details";

List<String> item = new ArrayList<String>();

ArrayAdapter<String> adapter;

String s;

Cursor cur;

Boolean m = true;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

name = (AutoCompleteTextView) findViewById(R.id.edit1);

des = (EditText) findViewById(R.id.edit2);

con = (EditText) findViewById(R.id.edit3);

area = (EditText) findViewById(R.id.edit4);

city = (EditText) findViewById(R.id.edit5);

add = (Button) findViewById(R.id.button1);

show = (Button) findViewById(R.id.button2);

update = (Button) findViewById(R.id.button3);

delete = (Button) findViewById(R.id.button4);

reset = (Button) findViewById(R.id.button5);

db = openOrCreateDatabase(DB\_NAME, Context.MODE\_PRIVATE, null);

db.execSQL("CREATE TABLE IF NOT EXISTS "

+ TABLE\_NAME

+ " (ID INTEGER PRIMARY KEY AUTOINCREMENT, NAME TEXT, DESIGNATION TEXT, CONTACT NUMBER, AREA TEXT, CITY TEXT);");

db.close();

name.setOnClickListener(new OnClickListener() {

@Override

public void onClick(View v) {

item.clear();

db = openOrCreateDatabase(DB\_NAME, Context.MODE\_PRIVATE, null);

cur = db.rawQuery("SELECT NAME FROM " + TABLE\_NAME, null);

cur.moveToFirst();

while (cur.isAfterLast() == false) {

String logic = cur.getString(0);

item.add(logic);

cur.moveToNext();

}

adapter = new ArrayAdapter<String>(getBaseContext(),

android.R.layout.simple\_list\_item\_1, item);

name.setThreshold(1);

name.setAdapter(adapter);

db.close();

}

});

add.setOnClickListener(new OnClickListener() {

@Override

public void onClick(View v) {

db = openOrCreateDatabase(DB\_NAME, Context.MODE\_PRIVATE, null);

db.execSQL("INSERT INTO " + TABLE\_NAME + "(NAME, DESIGNATION, CONTACT, AREA, CITY) VALUES('" + name.getText().toString() + "', '" + des.getText().toString() + "','" + con.getText() + "','" + area.getText().toString() + "','" + city.getText().toString() + "')");

db.close();

name.getText().clear();

des.getText().clear();

con.getText().clear();

area.getText().clear();

city.getText().clear();

}

});

show.setOnClickListener(new OnClickListener() {

@Override

public void onClick(View v) {

String abc = name.getText().toString();

Intent i = new Intent(MainActivity.this, ViewActivity.class);

i.putExtra("hello", abc);

startActivity(i);

name.getText().clear();

}

});

update.setOnClickListener(new OnClickListener() {

@Override

public void onClick(View v) {

db = openOrCreateDatabase(DB\_NAME, Context.MODE\_PRIVATE, null);

db.execSQL("UPDATE " + TABLE\_NAME +

" SET DESIGNATION='" + des.getText().toString() + "',CONTACT ='"+

con.getText().toString()+"',AREA='"+area.getText().toString()+ "',CITY= '"+

city.getText().toString() +"' WHERE NAME='" + name.getText().toString() + "'");

db.close();

name.getText().clear();

des.getText().clear();

area.getText().clear();

con.getText().clear();

city.getText().clear();

}

});

delete.setOnClickListener(new OnClickListener() {

@Override

public void onClick(View v) {

db = openOrCreateDatabase(DB\_NAME, Context.MODE\_PRIVATE, null);

db.execSQL("DELETE FROM " + TABLE\_NAME + " WHERE NAME='" + name.getText().toString() + "'");

db.close();

name.getText().clear();

}

});

reset.setOnClickListener(new OnClickListener() {

@Override

public void onClick(View v) {

name.getText().clear();

des.getText().clear();

con.getText().clear();

area.getText().clear();

city.getText().clear();

}

});

}

}

* ViewActivity.java

package com.example.sqltry;

import java.util.ArrayList;

import java.util.List;

import android.app.Activity;

import android.content.Context;

import android.content.Intent;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.view.Menu;

import android.widget.ArrayAdapter;

import android.widget.ListView;

public class ViewActivity extends AppCompatActivity {

SQLiteDatabase db;

List<String> listItem = new ArrayList<String>();

ListView listView;

ArrayAdapter<String> adapter;

String name, des;

Cursor result;

private static final String DB\_NAME = "myDB.db";

private static final String TABLE\_NAME = "emp\_details";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_view);

listView = (ListView) findViewById(R.id.listView1);

Intent i = getIntent();

name = i.getStringExtra("hello");

db = openOrCreateDatabase(DB\_NAME, Context.MODE\_PRIVATE, null);

if (name.isEmpty() || name.compareTo(" ") == 0) {

result = db.rawQuery("SELECT \* FROM " + TABLE\_NAME, null);

} else {

result = db.rawQuery("SELECT \* FROM " + TABLE\_NAME + " WHERE NAME='" + name + "'", null);

}

if (result.moveToFirst()) {

do {

String ID, NAME, DESIGNATION, CONTACT, AREA, CITY;

ID = result.getString(0);

NAME = result.getString(1);

DESIGNATION = result.getString(2);

CONTACT = result.getString(3);

AREA = result.getString(4);

CITY = result.getString(5);

String get = ID + " " + NAME + " " + DESIGNATION +

" " + CONTACT + " " + AREA + " " + CITY;

listItem.add(get);

adapter = new ArrayAdapter<String>(this,

android.R.layout.simple\_list\_item\_1, listItem);

listView.setAdapter(adapter);

} while (result.moveToNext());

}

db.close();

}

}

* Activity main.xml

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<AutoCompleteTextView

android:id="@+id/edit1"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="name" />

<EditText

android:id="@+id/edit2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edit1"

android:layout\_marginTop="10dp"

android:hint="designation" />

<EditText

android:id="@+id/edit3"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edit2"

android:layout\_marginTop="10dp"

android:hint="contact" />

<EditText

android:id="@+id/edit4"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edit3"

android:layout\_marginTop="10dp"

android:hint="area" />

<EditText

android:id="@+id/edit5"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edit4"

android:layout\_marginTop="10dp"

android:hint="city" />

<Button

android:id="@+id/button1"

android:layout\_width="80dp"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edit5"

android:layout\_marginTop="16dp"

android:text="add" />

<Button

android:id="@+id/button2"

android:layout\_width="80dp"

android:layout\_height="wrap\_content"

android:layout\_alignBaseline="@+id/button1"

android:layout\_toRightOf="@+id/button1"

android:text="show" />

<Button

android:id="@+id/button3"

android:layout\_width="85dp"

android:layout\_height="wrap\_content"

android:layout\_alignBaseline="@+id/button2"

android:layout\_toRightOf="@+id/button2"

android:text="update" />

<Button

android:id="@+id/button4"

android:layout\_width="80dp"

android:layout\_height="wrap\_content"

android:layout\_alignBaseline="@+id/button3"

android:layout\_toRightOf="@+id/button3"

android:text="delete" />

<Button

android:id="@+id/button5"

android:layout\_width="80dp"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/button1"

android:text="reset" />

</RelativeLayout>

* ActivityView.xml

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".ViewActivity">

<ListView

android:id="@+id/listView1"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_centerVertical="true" >

</ListView>

</RelativeLayout>

* AndroidManifest.xml

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android” package="com.example.sqltry">

<application android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:roundIcon="@mipmap/ic\_launcher\_round"

android:supportsRtl="true" android:theme="@style/AppTheme">

<activity android:name=".ViewActivity"></activity>

<activity android:name=".MainActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter> </activity> </application>

</manifest>

