**Databaseexample**

**Constants.java**

package com.example.databaseexample;

import android.provider.BaseColumns;

public interface Constants extends BaseColumns {

public static final String DATABASE\_NAME = "player.db";

public static final int DATABASE\_VERSION = 1;

public static final String TABLE\_NAME = "player\_stats";

// Columns in the database

public static final String NAME = "name";

public static final String TEAM = "team";

public static final String RUNS = "runs";

public static final String WICKETS = "wickets";

**DBHelper.java**

package com.example.databaseexample;

import android.content.Context;

import android.database.sqlite.SQLiteDatabase;

import android.database.sqlite.SQLiteOpenHelper;

import android.database.sqlite.SQLiteDatabase.CursorFactory;

public class DBHelper extends SQLiteOpenHelper {

public DBHelper(Context context) {

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

}

public DBHelper(Context context, String dbname, CursorFactory cf,

int version) {

super(context, dbname, cf, version);

}

@Override

public void onCreate(SQLiteDatabase db) {

db.execSQL("CREATE TABLE " + Constants.TABLE\_NAME + " ("

+ Constants.NAME + " TEXT PRIMARY KEY," + Constants.TEAM

+ " TEXT," + Constants.RUNS + " TEXT," + Constants.WICKETS

+ " TEXT);");

}

@Override

public void onUpgrade(SQLiteDatabase db, int arg1, int arg2) {

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

onCreate(db);

}

}

**Main2Activity.java**

package com.example.databaseexample;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.app.Activity;

import android.database.Cursor;

import android.os.Bundle;

import android.widget.TextView;

import android.app.Activity;

import android.view.Menu;

public class Main2Activity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main3);

String[] queryParams = new String[1];

queryParams[0] = "MI";

PlayerDataBase pdb = new PlayerDataBase(this);

pdb.open();

Cursor result = pdb.getPlayerData(queryParams);

if (result.moveToNext()) {

String data1 = result.getString(0);

String data2 = result.getString(1);

String data3 = result.getString(2);

TextView tv1 = (TextView) findViewById(R.id.textView1);

tv1.setText(data1);

TextView tv2 = (TextView) findViewById(R.id.textView2);

tv2.setText(data2);

TextView tv3 = (TextView) findViewById(R.id.textView3);

tv3.setText(data3);

}

pdb.close();

}

}

**MainActivity.java**

package com.example.databaseexample;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.os.Bundle;

import android.app.Activity;

import android.view.Menu;

import static com.example.databaseexample.Constants.TABLE\_NAME;

import android.app.Activity;

import android.content.ContentValues;

import android.os.Bundle;

import android.view.View;

import android.view.View.OnClickListener;

import android.widget.Button;

import android.widget.EditText;

import com.example.databaseexample.PlayerDataBase;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

final PlayerDataBase pdb = new PlayerDataBase(this);

final EditText name = (EditText) findViewById(R.id.name);

final EditText team = (EditText) findViewById(R.id.team);

final EditText runs = (EditText) findViewById(R.id.runs);

final EditText wickets = (EditText) findViewById(R.id.wickets);

Button submit = (Button)findViewById(R.id.submit);

submit.setOnClickListener(new OnClickListener() {

@Override

public void onClick(View arg0) {

ContentValues cv = new ContentValues();

cv.put("name", name.getText().toString());

cv.put("team", team.getText().toString());

cv.put("runs", runs.getText().toString());

cv.put("wickets", wickets.getText().toString());

pdb.open();

pdb.insertPlayerData(cv);

pdb.close();

}

});

}

}

**PlayerDatabase.java**

package com.example.databaseexample;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.content.ContentValues;

import android.content.Context;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.database.sqlite.SQLiteException;

import static com.example.databaseexample.Constants.DATABASE\_NAME;

import static com.example.databaseexample.Constants.NAME;

import static com.example.databaseexample.Constants.TEAM;

import static com.example.databaseexample.Constants.RUNS;

import static com.example.databaseexample.Constants.WICKETS;

import static com.example.databaseexample.Constants.TABLE\_NAME;

public class PlayerDataBase {

private SQLiteDatabase db;

private final Context context;

private final DBHelper dbHelper;

public PlayerDataBase(Context c) {

context = c;

dbHelper = new DBHelper(context, DATABASE\_NAME, null,

Constants.DATABASE\_VERSION);

}

public void close() {

db.close();

}

public void open() throws SQLiteException {

try {

db = dbHelper.getWritableDatabase();

} catch (SQLiteException ex) {

db = dbHelper.getReadableDatabase();

}

}

public Cursor getPlayerData(String[] params) {

//Cursor result = db.query(TABLE\_NAME, new String[] { NAME, TEAM, RUNS, WICKETS}, null, null, null, null, null);

//Cursor result=

// db.rawQuery("SELECT "+NAME+","+TEAM+","+RUNS+","+WICKETS+" FROM "+

// TABLE\_NAME+" WHERE "+TEAM+" = ?",parms);

Cursor result = db.query(TABLE\_NAME, new String[] {NAME,TEAM, RUNS}, TEAM + "=?", params, null, null, null);

return result;

}

public void insertPlayerData(ContentValues values) {

db.insertOrThrow(TABLE\_NAME, null, values);

}

public void updatePlayer(ContentValues values,String[] params) {

db.update(TABLE\_NAME, values, NAME+"=?", params);

}

}

**activity\_constants.xml**

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

<android.support.constraint.ConstraintLayout 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=".Constants">

</android.support.constraint.ConstraintLayout>

**activity\_dbhelper**

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

<android.support.constraint.ConstraintLayout 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=".DBHelper">

</android.support.constraint.ConstraintLayout>

**activity\_main.xml**

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:orientation="vertical">

<TextView android:text="Name"

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<EditText

android:text=""

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:id="@+id/name" />

<TextView android:text="Team"

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<AutoCompleteTextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:id="@+id/team" android:text="" />

<TextView

android:text="Runs Scored"

android:id="@+id/textView3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<EditText

android:text=""

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:id="@+id/runs" />

<TextView

android:text="Wickets Taken"

android:id="@+id/textView4"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<EditText

android:text=""

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:id="@+id/wickets" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Submit"

android:id="@+id/submit"

android:layout\_gravity="center" />

</LinearLayout>

**activity\_main2.xml**

<LinearLayout

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical">

<TextView

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="TextView" />

<TextView

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="TextView" />

<TextView

android:id="@+id/textView3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="TextView" />

</LinearLayout>

**activity\_main3.xml**

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

<android.support.constraint.ConstraintLayout 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=".Main2Activity">

</android.support.constraint.ConstraintLayout>

**activity\_player\_data\_base**

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

<android.support.constraint.ConstraintLayout 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=".PlayerDataBase">

</android.support.constraint.ConstraintLayout>

**main.xml**

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

<item

android:id="@+id/action\_settings"

android:orderInCategory="100"

android:showAsAction="never"

android:title="@string/action\_settings"/>

</menu>

**main2.xml**

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

<item

android:id="@+id/action\_settings"

android:orderInCategory="100"

android:showAsAction="never"

android:title="@string/action\_settings"/>

</menu>