**Q. database delete update**

**activity\_main.xml**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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="wrap\_content"  
 android:layout\_height="wrap\_content"  
 tools:context=".MainActivity"  
 android:orientation="vertical">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/res"/>  
  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="289dp"  
 android:layout\_height="45dp"  
 android:layout\_weight="1"  
 android:textColor="@color/black"  
 android:textStyle="bold"  
 android:text="Name"  
 android:textSize="20dp"/>  
  
 <EditText  
 android:id="@+id/Name"  
 android:layout\_width="500dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:ems="10"  
 android:inputType="textPersonName"  
 />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textColor="@color/black"  
 android:textStyle="bold"  
 android:text="Address"  
 android:textSize="20dp"/>  
  
 <EditText  
 android:id="@+id/edit2"  
 android:layout\_width="500dp"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
  
 android:inputType="textPersonName"  
 />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="150dp"  
 android:text="Insert" />  
 <Button  
 android:id="@+id/btn2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="150dp"  
 android:text="View" />  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/e3"/>  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Delete"  
 android:id="@+id/delbtn"/>  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Update"  
 android:id="@+id/upbtn"/>  
  
</LinearLayout>

**MainActivity.java**

package com.example.database;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.database.Cursor;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 EditText e1 =findViewById(R.id.*Name*);  
 EditText e2=findViewById(R.id.*edit2*);  
 Button b1=findViewById(R.id.*button*);  
 Button btn2=findViewById(R.id.*btn2*);  
 TextView res=findViewById(R.id.*res*);  
 Button delbtn=findViewById(R.id.*delbtn*);  
 EditText e3=findViewById(R.id.*e3*);  
 Button b3=findViewById(R.id.*upbtn*);  
  
 helperdb helper=new helperdb(this);  
   
  
 b1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String na=e1.getText().toString();  
 String pa=e2.getText().toString();  
 helper.insertDb(na,pa);  
  
  
 }  
 });  
 btn2.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 StringBuffer sb=new StringBuffer();  
 Cursor cr=helper.viewDb();  
 while (cr.moveToNext()){  
 sb.append("Id: "+cr.getString(0)+"\n");  
 sb.append("Name: "+cr.getString(1)+"\n");  
 sb.append("Address: "+cr.getString(2)+"\n");  
 }  
 Toast.*makeText*(getApplicationContext(), sb.toString(), Toast.*LENGTH\_LONG*).show();  
 res.setText(sb.toString());  
 }  
 });  
  
 delbtn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String del=e3.getText().toString();  
 helper.deleteDb(del);  
 }  
 });  
 b3.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String d1=e1.getText().toString();  
 String d2=e2.getText().toString();  
 String id=e3.getText().toString();  
 helper.updateDb(d1,d2,id);  
  
 }  
 });  
  
  
 }  
}

**helperdb.java**

package com.example.database;  
  
import android.content.ContentValues;  
import android.content.Context;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.database.sqlite.SQLiteOpenHelper;  
  
import androidx.annotation.Nullable;  
  
public class helperdb extends SQLiteOpenHelper {  
  
 private static String *dbName*="student";  
 private static int *dbVersion*=1;  
  
 SQLiteDatabase db;  
  
  
  
  
  
 public helperdb( Context context) {  
 super(context,*dbName*, null, *dbVersion*);  
 }  
  
 @Override  
 public void onCreate(SQLiteDatabase db) {  
 db.execSQL("create table tbl\_stud(sid integer primary key autoincrement,sname varchar(20),saddress varchar(50))");  
  
  
 }  
  
 @Override  
 public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {  
  
 }  
 public void insertDb(String name,String address)  
 {  
 db=getWritableDatabase();  
 ContentValues data=new ContentValues();  
 data.put("sname",name);  
 data.put("saddress",address);  
 db.insert("tbl\_stud",null,data);  
  
 }  
 public Cursor viewDb(){  
 db=getReadableDatabase();  
 Cursor cr=db.rawQuery("select \* from tbl\_stud", null);  
 return cr;  
  
 }  
 public void deleteDb(String del){  
 db=getWritableDatabase();  
 db.delete("tbl\_stud","sid=?", new String[]{del});  
 }  
 public void updateDb(String d1, String d2, String id){  
 db=getWritableDatabase();  
 ContentValues data=new ContentValues();  
 data.put("sname",d1);  
 data.put("saddress",d2);  
 db.update("tbl\_stud",data,"sid=?",new String[]{id});  
 }  
}

**Output**

  

  

