DBHelper.java

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 DBHelper extends SQLiteOpenHelper {  
 public DBHelper(@Nullable Context context) {  
 super(context, "userdata.db",null,1);  
 }  
  
 @Override  
 public void onCreate(SQLiteDatabase DB) {  
 DB.execSQL("create Table userdetails(name TEXT primary key, contact TEXT , dob TEXT)");  
 }  
  
 @Override  
 public void onUpgrade(SQLiteDatabase DB, int i, int i1) {  
 DB.execSQL("drop Table if exists userdetails");  
 }  
 public Boolean insertData(String name, String contact, String dob)  
 {  
 SQLiteDatabase DB= this.getWritableDatabase();  
 ContentValues contentValues=new ContentValues();  
 contentValues.put("name",name);  
 contentValues.put("contact",contact);  
 contentValues.put("dob",dob);  
 long result=DB.insert("userdetails",null,contentValues);  
 if(result==-1)  
 return false;  
 else  
 return true;  
 }  
  
  
 public Boolean updateData(String name, String contact, String dob)  
 {  
 SQLiteDatabase DB= this.getWritableDatabase();  
 ContentValues contentValues=new ContentValues();  
 contentValues.put("contact",contact);  
 contentValues.put("dob",dob);  
 Cursor cursor=DB.rawQuery("select \* from userdetails where name=?", new String[] {name});  
 if(cursor.getCount()>0) {  
  
 long result = DB.update("userdetails", contentValues, "name=?", new String[]{name});  
 if (result == -1)  
 return false;  
 else  
 return true;  
 }  
 else  
 {  
 return false;  
 }  
 }  
  
  
  
 public Boolean deleteData(String name)  
 {  
 SQLiteDatabase DB= this.getWritableDatabase();  
  
 Cursor cursor=DB.rawQuery("select \* from userdetails where name=?", new String[] {name});  
 if(cursor.getCount()>0) {  
  
 long result = DB.delete("userdetails", "name=?", new String[]{name});  
 if (result == -1)  
 return false;  
 else  
 return true;  
 }  
 else  
 {  
 return false;  
 }  
 }  
  
  
 public Cursor getData(String name)  
 {  
 SQLiteDatabase DB= this.getWritableDatabase();  
  
 Cursor cursor=DB.rawQuery("select \* from userdetails",null);  
 return cursor;  
 }  
  
  
  
  
  
  
}

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"  
 android:padding="10dp"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Please enter the details below:"  
 android:textSize="24dp"  
 android:id="@+id/texttitle"  
 />  
 <EditText  
 android:id="@+id/et1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Name"  
 android:textSize="24dp"  
 android:inputType="textPersonName"  
 android:layout\_below="@+id/texttitle"/>  
  
 <EditText  
 android:id="@+id/et2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Contact"  
 android:textSize="24dp"  
 android:inputType="number"  
 android:layout\_below="@+id/et1"/>  
 <EditText  
 android:id="@+id/et3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="DOB"  
 android:textSize="24dp"  
 android:inputType="number"  
 android:layout\_below="@+id/et2"/>  
 <Button  
 android:id="@+id/Insert"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textSize="24dp"  
 android:text="Insert New Data"  
 android:layout\_below="@+id/et3"/>  
 <Button  
 android:id="@+id/Update"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textSize="24dp"  
 android:text="Update Data"  
 android:layout\_below="@+id/Insert"/>  
 <Button  
 android:id="@+id/Delete"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textSize="24dp"  
 android:text="Delete Data"  
 android:layout\_below="@+id/Update"/>  
 <Button  
 android:id="@+id/View"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textSize="24dp"  
 android:text="View Data"  
 android:layout\_below="@+id/Delete"/>  
</RelativeLayout>