XML code:

*<?*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">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Student Details"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="120dp"  
 android:textSize="25sp"  
 android:textStyle="bold"  
 android:textColor="@color/black"  
 android:id="@+id/title"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t1"  
 android:text="Enter Student ID :"  
 android:layout\_below="@id/title"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="15dp"  
 android:textColor="@color/black"/>  
 <EditText  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentRight="true"  
 android:layout\_below="@id/title"  
 android:layout\_marginRight="30dp"  
 android:id="@+id/e1"  
 android:inputType="number"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t2"  
 android:text="Enter Student Name :"  
 android:layout\_below="@id/t1"  
 android:layout\_marginTop="25dp"  
 android:layout\_marginLeft="15dp"  
 android:textColor="@color/black"/>  
 <EditText  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentRight="true"  
 android:layout\_below="@id/e1"  
 android:layout\_marginRight="30dp"  
 android:id="@+id/e2"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t3"  
 android:text="Enter Student Address :"  
 android:layout\_below="@id/t2"  
 android:layout\_marginTop="25dp"  
 android:layout\_marginLeft="15dp"  
 android:textColor="@color/black"/>  
 <EditText  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentRight="true"  
 android:layout\_below="@id/e2"  
 android:layout\_marginRight="30dp"  
 android:id="@+id/e3"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t4"  
 android:text="Enter Student Phno :"  
 android:layout\_below="@id/t3"  
 android:layout\_marginTop="25dp"  
 android:layout\_marginLeft="15dp"  
 android:textColor="@color/black"/>  
 <EditText  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentRight="true"  
 android:layout\_below="@id/e3"  
 android:layout\_marginRight="30dp"  
 android:id="@+id/e4"  
 android:inputType="phone"/>  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/b1"  
 android:text="Insert"  
 android:layout\_below="@id/t4"  
 android:layout\_marginTop="25dp"  
 android:layout\_marginLeft="150dp"/>  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/b2"  
 android:text="Display"  
 android:layout\_below="@id/b1"  
 android:layout\_marginTop="25dp"  
 android:layout\_marginLeft="150dp"/>  
  
</RelativeLayout>

Java code:

package com.example.myapplication;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.app.AlertDialog.Builder;  
import android.content.Context;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.view.View;  
import android.view.View.OnClickListener;  
import android.widget.Button;  
import android.widget.EditText;  
import android.app.Activity;  
public class MainActivity extends AppCompatActivity implements OnClickListener {  
 EditText Id, Name,Address, Phno;  
 Button Insert, ViewAll;  
 SQLiteDatabase db;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Id = (EditText) findViewById(R.id.*e1*);  
 Name = (EditText) findViewById(R.id.*e2*);  
 Address = (EditText) findViewById(R.id.*e3*);  
 Phno = (EditText) findViewById(R.id.*e4*);  
 Insert = (Button) findViewById(R.id.*b1*);  
 ViewAll = (Button) findViewById(R.id.*b2*);  
 Insert.setOnClickListener(this);  
 ViewAll.setOnClickListener(this);  
 db = openOrCreateDatabase("StudentDatabase1", Context.*MODE\_PRIVATE*, null);  
 db.execSQL("CREATE TABLE IF NOT EXISTS students1(id VARCHAR,name VARCHAR,address VARCHAR,phno VARCHAR);");  
  
 }  
  
 public void onClick(View view)  
 {  
 if (view == Insert)  
 {  
 if (Id.getText().toString().trim().length() == 0 || Name.getText().toString().trim().length() == 0 || Address.getText().toString().trim().length() == 0||Phno.getText().toString().trim().length() == 0)  
 {  
 showMessage("Error", "Please enter all values");  
 return;  
 }  
 db.execSQL("INSERT INTO students1 VALUES('" + Id.getText() + "','" + Name.getText() + "','" + Address.getText() + "','"+Phno.getText()+"');");  
 showMessage("Success", "Record added");  
 clearText();  
 }  
 if (view == ViewAll)  
 {  
 Cursor c = db.rawQuery("SELECT \* FROM students1", null);  
 if (c.getCount() == 0)  
 {  
  
 showMessage("Error", "No records found");  
 return;  
 }  
 StringBuffer buffer = new StringBuffer();  
 while (c.moveToNext())  
 {  
 buffer.append("ID:" + c.getString(0) + "\n");  
 buffer.append("Name:" + c.getString(1) + "\n");  
 buffer.append("Address:" + c.getString(2) + "\n");  
 buffer.append("Phno:" + c.getString(3) + "\n\n");  
 }  
 showMessage("Student Details:", buffer.toString());  
 }  
  
  
 }  
  
 public void showMessage(String title, String message) {  
 Builder builder = new Builder(this);  
 builder.setCancelable(true);  
 builder.setTitle(title);  
 builder.setMessage(message);  
 builder.show();  
 }  
  
 public void clearText() {  
 Id.setText("");  
 Name.setText("");  
 Address.setText("");  
 Phno.setText("");  
 Id.requestFocus();  
 }  
}