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="Car Details"  
 android:layout\_marginLeft="120dp"  
 android:layout\_marginTop="30dp"  
 android:id="@+id/title"  
 android:textColor="@color/black"  
 android:textSize="25sp"  
 android:textStyle="bold"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t1"  
 android:text="Car No. :"  
 android:layout\_marginTop="105dp"  
 android:textSize="20sp"  
 android:textColor="@color/black"  
 android:layout\_marginLeft="15dp"/>  
 <EditText  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/e1"  
 android:inputType="number"  
 android:layout\_alignParentRight="true"  
 android:layout\_marginRight="90dp"  
 android:layout\_marginTop="90dp"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t2"  
 android:text="Car Name :"  
 android:layout\_marginTop="25dp"  
 android:textSize="20sp"  
 android:textColor="@color/black"  
 android:layout\_marginLeft="15dp"  
 android:layout\_below="@id/t1"/>  
 <EditText  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/e2"  
 android:layout\_alignParentRight="true"  
 android:layout\_marginRight="80dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_below="@id/e1"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t3"  
 android:text="Car Model :"  
 android:layout\_marginTop="25dp"  
 android:textSize="20sp"  
 android:textColor="@color/black"  
 android:layout\_marginLeft="15dp"  
 android:layout\_below="@id/t2"/>  
 <EditText  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/e3"  
 android:layout\_alignParentRight="true"  
 android:layout\_marginRight="80dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_below="@id/e2"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t4"  
 android:text="Car Colour :"  
 android:layout\_marginTop="25dp"  
 android:textSize="20sp"  
 android:textColor="@color/black"  
 android:layout\_marginLeft="15dp"  
 android:layout\_below="@id/t3"/>  
 <EditText  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/e4"  
 android:layout\_alignParentRight="true"  
 android:layout\_marginRight="70dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_below="@id/e3"/>  
 <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="30dp"  
 android:layout\_marginLeft="15dp"/>  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/b2"  
 android:text="Update"  
 android:layout\_below="@id/e4"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="150dp"/>  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/b3"  
 android:text="Display"  
 android:layout\_below="@id/b1"  
 android:layout\_marginTop="25dp"  
 android:layout\_marginLeft="60dp"/>  
  
  
</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 Carno,Name,Model,Colour;  
 Button Insert,Update,ViewAll;  
 SQLiteDatabase db;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Carno=(EditText) findViewById(R.id.*e1*);  
 Name=(EditText) findViewById(R.id.*e2*);  
 Model=(EditText) findViewById(R.id.*e3*);  
 Colour=(EditText) findViewById(R.id.*e4*);  
 Insert=(Button) findViewById(R.id.*b1*);  
 Update=(Button) findViewById(R.id.*b2*);  
 ViewAll=(Button) findViewById(R.id.*b3*);  
 Insert.setOnClickListener(this);  
 Update.setOnClickListener(this);  
 ViewAll.setOnClickListener(this);  
 db=openOrCreateDatabase("CarDB",Context.*MODE\_PRIVATE*,null);  
 db.execSQL("CREATE TABLE IF NOT EXISTS car(carno VARCHAR,name VARCHAR,model VARCHAR,colour VARCHAR);");  
  
 }  
 public void onClick(View view)  
 {  
 if(view==Insert)  
 {  
 if(Carno.getText().toString().trim().length()==0||Name.getText().toString().trim().length()==0||Model.getText().toString().trim().length()==0||Colour.getText().toString().trim().length()==0)  
 {  
 showMessage("Error","Please enter all values");  
 return;  
 }  
 db.execSQL("INSERT INTO car VALUES('"+Carno.getText()+"','"+Name.getText()+"','"+Model.getText()+"','"+Colour.getText()+"');");  
 showMessage("Success","Record added");  
 clearText();  
 }  
 if(view==ViewAll)  
 {  
 Cursor c=db.rawQuery("SELECT \* FROM car",null);  
 if(c.getCount()==0)  
 {  
 showMessage("Error","No records found");  
 return;  
 }  
 StringBuffer buffer=new StringBuffer();  
 while(c.moveToNext())  
 {  
 buffer.append("Car\_no:"+c.getString(0)+"\n");  
 buffer.append("Name:"+c.getString(1)+"\n");  
 buffer.append("Model:"+c.getString(2)+"\n");  
 buffer.append("Colour:"+c.getString(3)+"\n\n");  
 }  
 showMessage("Car Details:",buffer.toString());  
 }  
  
 if(view==Update)  
 {  
 if(Colour.getText().toString().trim().length()==0)  
 {  
 showMessage("Error","Please enter colour");  
 return;  
 }  
 Cursor c=db.rawQuery("SELECT \* FROM car WHERE colour='"+Colour.getText()+"'",null);  
 if(c.moveToFirst())  
 {  
 db.execSQL("UPDATE car SET name='"+Name.getText()+"',model='"+Model.getText()+"',carno='"+Carno.getText()+"' WHERE colour='"+Colour.getText()+"'");  
 showMessage("Success","Record modified");  
 }  
 else  
 {  
 showMessage("Error","Invalid Colour");  
 }  
 clearText();  
 }  
  
 }  
 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()  
 {  
 Carno.setText("");  
 Name.setText("");  
 Model.setText("");  
 Colour.setText("");  
 Carno.requestFocus();  
 }  
}