activity\_main.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:id="@+id/textTitle"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Enter Your Application Form Details"

android:textSize="24sp"

android:layout\_marginTop="20dp"

tools:ignore="HardcodedText" />

<EditText

android:id="@+id/name"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Enter Your Name:"

android:textSize="24sp"

android:layout\_below="@+id/textTitle"

android:inputType="textPersonName"

android:autofillHints="" />

<EditText

android:id="@+id/age"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_below="@+id/name"

android:autofillHints=""

android:hint="Enter Your Age:"

android:inputType="number"

android:textSize="24sp" />

<EditText

android:id="@+id/mobile"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:padding="10dp"

android:hint="Enter Your Mobile Number:"

android:textSize="24sp"

android:layout\_below="@+id/age"

android:inputType="number"

android:autofillHints="" />

<Button

android:id="@+id/buttonInsert"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:textSize="24sp"

android:text="Insert New Data"

android:layout\_marginTop="24dp"

android:layout\_below="@id/mobile" />

<Button

android:id="@+id/buttonUpdate"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:textSize="24sp"

android:text="Update Your Data"

android:layout\_marginTop="24sp"

android:layout\_below="@id/buttonInsert" />

<Button

android:id="@+id/buttonDelete"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:textSize="24sp"

android:text="Delete Your Record"

android:layout\_marginTop="24dp"

android:layout\_below="@id/buttonUpdate"/>

<Button

android:id="@+id/buttonView"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:textSize="24sp"

android:text="Display Your Record"

android:layout\_marginTop="24sp"

android:layout\_below="@id/buttonDelete"/>

</RelativeLayout>

MainActivity.java

package com.example.lokdbapp;

import androidx.appcompat.app.AlertDialog;

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.Toast;

public class MainActivity extends AppCompatActivity {

EditText name, age, mobile;

Button insert, update, delete, view;

DBhelper db;

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

name = findViewById(R.id.name);

age = findViewById(R.id.age);

mobile = findViewById(R.id.mobile);

insert = findViewById(R.id.buttonInsert);

update = findViewById(R.id.buttonUpdate);

delete = findViewById(R.id.buttonDelete);

view = findViewById(R.id.buttonView);

db = new DBhelper(this);

insert.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

String nameTXT = name.getText().toString();

String ageTXT = age.getText().toString();

String mobileTXT = mobile.getText().toString();

Boolean checkinsertdata = db.insertuserdata(nameTXT, ageTXT, mobileTXT);

if (checkinsertdata == true) {

Toast.makeText(MainActivity.this, "New Record Inserted", Toast.LENGTH\_SHORT).show();

} else {

Toast.makeText(MainActivity.this, "New Record Not Inserted", Toast.LENGTH\_SHORT).show();

}

}

});

update.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

String nameTXT = name.getText().toString();

String ageTXT = age.getText().toString();

String mobileTXT = mobile.getText().toString();

Boolean checkupdatedata = db.updateuserdata(nameTXT, ageTXT, mobileTXT);

if (checkupdatedata == true)

Toast.makeText(MainActivity.this, "Record Updated", Toast.LENGTH\_SHORT).show();

else

Toast.makeText(MainActivity.this, "Record Not Updated", Toast.LENGTH\_SHORT).show();

}

});

delete.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

String nameTXT = name.getText().toString();

Boolean checkdeletedata = db.deletedata(nameTXT);

if (checkdeletedata == true)

Toast.makeText(MainActivity.this, "Record Deleted", Toast.LENGTH\_SHORT).show();

else

Toast.makeText(MainActivity.this, "Record Not Deleted", Toast.LENGTH\_SHORT).show();

}

});

view.setOnClickListener(new View.OnClickListener() {

public void onClick(View view) {

Cursor res = db.getdata();

if (res.getCount() == 0) {

Toast.makeText(MainActivity.this, "Record Not Exists", Toast.LENGTH\_SHORT).show();

return;

}

StringBuffer buffer = new StringBuffer();

while (res.moveToNext()) {

buffer.append("sid:" + res.getString(0) + "\n");

buffer.append("name:" + res.getString(1) + "\n");

buffer.append("age:" + res.getString(2) + "\n");

buffer.append("mobile:" + res.getString(3) + "\n");

}

AlertDialog.Builder builder = new AlertDialog.Builder(MainActivity.this);

builder.setCancelable(true);

builder.setTitle("Application Entries");

builder.setMessage(buffer.toString());

builder.show();

}

});

}

}

DBhelper.java

package com.example.lokdbapp;

import android.content.ContentValues;

import android.content.Context;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.database.sqlite.SQLiteOpenHelper;

public class DBhelper extends SQLiteOpenHelper {

public DBhelper( Context context) {

super(context, "userDB5.db", null, 1);

}

@Override

public void onCreate(SQLiteDatabase db) {

db.execSQL("create Table appform(\_sid integer primary key autoincrement, name TEXT, age TEXT, mobile TEXT)");

}

@Override

public void onUpgrade(SQLiteDatabase db, int i, int i1) {

db.execSQL("drop Table if exists appform");

}

public Boolean insertuserdata(String name, String age, String mobile) {

SQLiteDatabase db = this.getWritableDatabase();

ContentValues contentValues = new ContentValues();

contentValues.put("name", name);

contentValues.put("age", age);

contentValues.put("mobile", mobile);

long result = db.insert("appform", null, contentValues);

if (result == -1)

{

return false;

}

else

{

return true;

}

}

public Boolean updateuserdata(String name, String age, String mobile) {

SQLiteDatabase db = this.getWritableDatabase();

ContentValues contentValues = new ContentValues();

contentValues.put("age", age);

contentValues.put("mobile", mobile);

Cursor cursor = db.rawQuery("Select \* from appform where name = ?", new String[]{name});

if (cursor.getCount() > 0) {

long result = db.update("appform", 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 appform where name = ?", new String[] {name});

if (cursor.getCount() > 0)

{

long result = db.delete("appform", "name=?", new String[]{name});

if (result == -1)

{

return false;

}

else

{

return true;

}

}

else

{

return false;

}

}

public Cursor getdata()

{

SQLiteDatabase db = this.getWritableDatabase();

Cursor cursor = db.rawQuery("Select \* from appform",null);

return cursor;

}

}