<?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="mca.acharya.com.lab5.MainActivity">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:padding="16dp">

<TextView

android:id="@+id/textView"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="ID" />

<EditText

android:id="@+id/editTextId"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="number"

android:text="" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Name" />

<EditText

android:id="@+id/editTextName"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="text"

android:text="" />

<Button

android:id="@+id/btnAdd"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:onClick="addData"

android:text="Add" />

<Button

android:id="@+id/btnView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:onClick="viewData"

android:text="View" />

<Button

android:id="@+id/btnUpdate"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:onClick="updateData"

android:text="Update" />

<Button

android:id="@+id/btnDel"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:onClick="deleteData"

android:text="Delete" />

</LinearLayout>

</RelativeLayout>

package mca.acharya.com.lab5;

import android.app.AlertDialog;

import android.content.ContentValues;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

TextView txtId, txtName;

SQLiteDatabase db;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

txtId = (TextView) findViewById(R.id.editTextId);

txtName = (TextView) findViewById(R.id.editTextName);

db = openOrCreateDatabase("student\_data",MODE\_PRIVATE,null);

}

void addData(View v){

String dataId = txtId.getText().toString();

String dataName = txtName.getText().toString();

db.execSQL("CREATE TABLE IF NOT EXISTS student(id INT,name VARCHAR);");

try {

db.execSQL("INSERT INTO student VALUES( ?, ? )", new String[]{dataId,dataName});

showMessage("Insert Data","Success! Data Added");

} catch (Exception ex){

showMessage("Insert Data","Error Inserting Data");

}

}

void viewData(View v){

String searchByid = txtId.getText().toString();

try{

Cursor resultSet = db.rawQuery("Select \* from student where id = ?"+searchByid,new String[]{searchByid});

resultSet.moveToFirst();

String idvalue = resultSet.getString(0);

String namevalue = resultSet.getString(1);

String resultString = "Id : "+idvalue + " \nName :"+namevalue;

showMessage("View Result",resultString);

} catch (Exception ex){

showMessage("View Result","No such data");

}

}

void deleteData(View v){

String searchByid = txtId.getText().toString();

try{

db.delete("student","id=?", new String[]{searchByid});

showMessage("Delete Result","Data Deleted");

}

catch (Exception ex){

showMessage("Delete Result","No Such Data");

}

}

void updateData(View v){

String searchByid = txtId.getText().toString();

String dataName = txtName.getText().toString();

try{

String strSQL = "UPDATE student SET name = '"+dataName+"' WHERE id = "+ searchByid;

db.execSQL(strSQL);

showMessage("Delete Result","Data Deleted");

}

catch (Exception ex){

showMessage("Delete Result","No Such Data");

}

}

public void showMessage(String title,String Message){

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

builder.setCancelable(true);

builder.setTitle(title);

builder.setMessage(Message);

builder.show();

}

}