**SQlite Example**

import android.app.Activity;

import android.app.AlertDialog.Builder;

import android.content.Context;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.os.Bundle;

import android.view.View;

import android.view.View.OnClickListener;

import android.widget.Button;

import android.widget.EditText;

public class MyApp extends Activity implements OnClickListener

{

 EditText editRollno,editName,editMarks;

 Button btnAdd,btnDelete,btnModify,btnView,btnViewAll,btnShowInfo;

 SQLiteDatabase db;

 /\*\* Called when the activity is first created. \*/

 @Override

 public void onCreate(Bundle savedInstanceState)

 {

 super.onCreate(savedInstanceState);

 setContentView(R.layout.main);

 editRollno=(EditText)findViewById(R.id.editRollno);

 editName=(EditText)findViewById(R.id.editName);

 editMarks=(EditText)findViewById(R.id.editMarks);

 btnAdd=(Button)findViewById(R.id.btnAdd);

 btnDelete=(Button)findViewById(R.id.btnDelete);

 btnModify=(Button)findViewById(R.id.btnModify);

 btnView=(Button)findViewById(R.id.btnView);

 btnViewAll=(Button)findViewById(R.id.btnViewAll);

 btnShowInfo=(Button)findViewById(R.id.btnShowInfo);

 btnAdd.setOnClickListener(this);

 btnDelete.setOnClickListener(this);

 btnModify.setOnClickListener(this);

 btnView.setOnClickListener(this);

 btnViewAll.setOnClickListener(this);

 btnShowInfo.setOnClickListener(this);

 db=openOrCreateDatabase("StudentDB", Context.MODE\_PRIVATE, null);

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

 }

 public void onClick(View view)

 {

 if(view==btnAdd)

 {

 if(editRollno.getText().toString().trim().length()==0||

 editName.getText().toString().trim().length()==0||

 editMarks.getText().toString().trim().length()==0)

 {

 showMessage("Error", "Please enter all values");

 return;

 }

 db.execSQL("INSERT INTO student VALUES('"+editRollno.getText()+"','"+editName.getText()+

 "','"+editMarks.getText()+"');");

 showMessage("Success", "Record added");

 clearText();

 }

 if(view==btnDelete)

 {

 if(editRollno.getText().toString().trim().length()==0)

 {

 showMessage("Error", "Please enter Rollno");

 return;

 }

 Cursor c=db.rawQuery("SELECT \* FROM student WHERE rollno='"+editRollno.getText()+"'", null);

 if(c.moveToFirst())

 {

 db.execSQL("DELETE FROM student WHERE rollno='"+editRollno.getText()+"'");

 showMessage("Success", "Record Deleted");

 }

 else

 {

 showMessage("Error", "Invalid Rollno");

 }

 clearText();

 }

 if(view==btnModify)

 {

 if(editRollno.getText().toString().trim().length()==0)

 {

 showMessage("Error", "Please enter Rollno");

 return;

 }

 Cursor c=db.rawQuery("SELECT \* FROM student WHERE rollno='"+editRollno.getText()+"'", null);

 if(c.moveToFirst())

 {

 db.execSQL("UPDATE student SET name='"+editName.getText()+"',marks='"+editMarks.getText()+

 "' WHERE rollno='"+editRollno.getText()+"'");

 showMessage("Success", "Record Modified");

 }

 else

 {

 showMessage("Error", "Invalid Rollno");

 }

 clearText();

 }

 if(view==btnView)

 {

 if(editRollno.getText().toString().trim().length()==0)

 {

 showMessage("Error", "Please enter Rollno");

 return;

 }

 Cursor c=db.rawQuery("SELECT \* FROM student WHERE rollno='"+editRollno.getText()+"'", null);

 if(c.moveToFirst())

 {

 editName.setText(c.getString(1));

 editMarks.setText(c.getString(2));

 }

 else

 {

 showMessage("Error", "Invalid Rollno");

 clearText();

 }

 }

 if(view==btnViewAll)

 {

 Cursor c=db.rawQuery("SELECT \* FROM student", null);

 if(c.getCount()==0)

 {

 showMessage("Error", "No records found");

 return;

 }

 StringBuffer buffer=new StringBuffer();

 while(c.moveToNext())

 {

 buffer.append("Rollno: "+c.getString(0)+"\n");

 buffer.append("Name: "+c.getString(1)+"\n");

 buffer.append("Marks: "+c.getString(2)+"\n\n");

 }

 showMessage("Student Details", buffer.toString());

 }

 if(view==btnShowInfo)

 {

 showMessage("Student Management Application", "Developed By AADC");

 }

 }

 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()

 {

 editRollno.setText("");

 editName.setText("");

 editMarks.setText("");

 editRollno.requestFocus();

 }

}