**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();

}

}