public class StuDB extends SQLiteOpenHelper {

 private static final String Student\_db="Students";

 private static final int Version=1;

 public StuDB(Context c){

 super(c,Student\_db,null,Version);

 }

 @Override

 public void onCreate(SQLiteDatabase db) {

 db.execSQL("CREATE TABLE MyTable(snumber TEXT, ccode TEXT, tmark REAL);");

 }

 @Override

 public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {

 db.execSQL("DROP TABLE IF EXIST MyTable");

 onCreate(db);

 }

}

public class MainActivity extends Activity implements View.OnClickListener{

 Button bt1,bt2,bt3,bt4,bt5;

 EditText edt1,edt2,edt3;

 private StuDB v1;

 ArrayList<String> list;

 @Override

 protected void onCreate(Bundle savedInstanceState) {

 super.onCreate(savedInstanceState);

 setContentView(R.layout.activity\_main);

 myinit();

 }

 private void myinit() {

 bt1=(Button)findViewById(R.id.button);

 bt2=(Button)findViewById(R.id.button2);

 bt3=(Button)findViewById(R.id.button3);

 bt4=(Button)findViewById(R.id.button4);

 bt5=(Button)findViewById(R.id.button5);

 edt1=(EditText)findViewById(R.id.editText);

 edt2=(EditText)findViewById(R.id.editText2);

 edt3=(EditText)findViewById(R.id.editText3);

 bt1.setOnClickListener(this);

 bt2.setOnClickListener(this);

 bt3.setOnClickListener(this);

 bt4.setOnClickListener(this);

 bt5.setOnClickListener(this);

 v1=new StuDB(this);

 }

 @Override

 public void onClick(View v) {

 switch (v.getId()){

 case R.id.button:

 try{

 addstudent(edt1.getText().toString(),edt2.getText().toString(),edt3.getText().toString());

 }finally {

 v1.close();

 }

 break;

 case R.id.button2:

 deletestudent(edt1.getText().toString());

 break;

 case R.id.button3:

 datamodify(edt1.getText().toString());

 break;

 case R.id.button4:

 dataview(edt1.getText().toString());

 break;

 case R.id.button5:

 showall();

 break;

 }

 }

 private String[] columns={"snumber","ccode","tmark"};

 private void showall() {

 list=new ArrayList<String>();

 SQLiteDatabase db=v1.getReadableDatabase();

 Cursor readings=db.query("MyTable",columns,null,null,null,null,null);

 while(readings.moveToNext()){

 String na1=readings.getString(readings.getColumnIndex("snumber"));

 String cc1=readings.getString(readings.getColumnIndex("ccode"));

 String tm1=readings.getString(readings.getColumnIndex("tmark"));

 list.add(na1+" "+cc1+" "+tm1);

 Log.d("ss",na1+" "+cc1+" "+tm1);

 }

 Intent intent = new Intent(this, MainActivity2.class);

 intent.putExtra("array\_list", list);

 startActivity(intent);

 }

 private void dataview(String s) {

 if (s.trim().length()==0){

 Toast.makeText(this,"Please enter Valid Stu No!!!",Toast.LENGTH\_SHORT).show();

 return;

 }

 SQLiteDatabase db=v1.getReadableDatabase();

 Cursor c=db.rawQuery("SELECT \* FROM MyTable WHERE snumber='"+s+"'",null);

 if (c.moveToFirst()){

 edt2.setText(c.getString(1));

 edt3.setText(c.getString(2));

 }else{

 Toast.makeText(getApplicationContext(),"Please enter Valid Stu No!!!",Toast.LENGTH\_SHORT).show();

 }

 //clearText();

 }

 private void datamodify(String s) {

 if (s.trim().length()==0){

 Toast.makeText(getApplicationContext(),"Please enter Valid Stu No!!!",Toast.LENGTH\_SHORT).show();

 return;

 }

 SQLiteDatabase db=v1.getWritableDatabase();

 Cursor c=db.rawQuery("SELECT \* FROM MyTable WHERE snumber='"+s+"'",null);

 if(c.moveToFirst()){

 db.execSQL("UPDATE MyTable SET ccode='"+edt2.getText().toString()+"',tmark='"+edt3.getText().toString()+"'WHERE snumber='"+s+"'");

 Toast.makeText(this,"Success Record Modified",Toast.LENGTH\_SHORT).show();

 }else{

 Toast.makeText(this,"Error!!!",Toast.LENGTH\_SHORT).show();

 }

 clearText();

 }

 private void deletestudent(String s) {

 if(s.trim().length()==0){

 Toast.makeText(getApplicationContext(),"Please enter Stu No!!!",Toast.LENGTH\_SHORT).show();

 return;

 }

 SQLiteDatabase db=v1.getReadableDatabase();

 Cursor c=db.rawQuery("SELECT \* FROM MyTable WHERE snumber='"+s+"'",null);

 if (c.moveToFirst()){

 db.execSQL("DELETE FROM MyTable WHERE snumber='"+s+"'");

 Toast.makeText(this,"Record deleted!!!",Toast.LENGTH\_SHORT).show();

 }else{

 Toast.makeText(getApplicationContext(),"Please enter Valid Stu No!!!",Toast.LENGTH\_SHORT).show();

 }

 clearText();

 }

 private void addstudent(String s, String s1, String s2) {

 if(s.trim().length()==0){

 Toast.makeText(getApplicationContext(),"Please enter Stu No!!!",Toast.LENGTH\_SHORT).show();

 return;

 }

 SQLiteDatabase db =v1.getWritableDatabase();

 db.execSQL("INSERT INTO MyTable VALUES('"+s+"','"+s1+"','"+s2+"');");

 clearText();

 }

 private void clearText() {

 edt1.setText("");

 edt2.setText("");

 edt3.setText("");

 }

}

public class MainActivity2 extends Activity {

 ListView listall;

 ArrayAdapter<String> adapter;

 @Override

 protected void onCreate(Bundle savedInstanceState) {

 super.onCreate(savedInstanceState);

 setContentView(R.layout.activity\_main\_activity2);

 listall=(ListView)findViewById(R.id.listView);

 Bundle bundle = getIntent().getExtras();

 ArrayList<String> array = (ArrayList<String>)bundle.getStringArrayList("array\_list");

 adapter=new ArrayAdapter<String>(this,android.R.layout.simple\_list\_item\_1,array);

 listall.setAdapter(adapter);

 }

}