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);

}

}