EXPERIMENT 8B

```
activity main.xml:
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout</pre>
xmlns:android="http://schemas.android.c
om/apk/res/android"
xmlns:tools="http://schemas.android.com
/tools"
   android:id="@+id/activity main"
   android:layout width="match parent"
   android:layout height="match parent"
   android:orientation="vertical"
   <Button
       android:id="@+id/btnAdd"
android:layout width="match parent"
android:layout height="wrap content"
       android:layout_marginTop="40dp"
       android:text="Add Student" />
   <Button
       android:id="@+id/btnView"
android:layout_width="match_parent"
android:layout height="wrap content"
       android:layout marginTop="40dp"
       android:text="View Students" />
   </LinearLayout>
MainActivity.java:
package com.example.mcc8b;
import android.content.Intent;
import
android.support.v7.app.AppCompatActivit
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
public class MainActivity extends
AppCompatActivity {
```

```
Button btnAdd,btnView;
   static MyDbHandler db;
   @Override
   protected void onCreate(Bundle
savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity main);
btnAdd=(Button)findViewById(R.id.btnAdd
);
btnView= (Button) findViewById (R.id.btnVi
ew);
       db=new MyDbHandler(this);
       btnAdd.setOnClickListener(new
View.OnClickListener() {
           @Override
           public void onClick(View
view) {
               Intent i=new
Intent (MainActivity.this, AddActivity.cl
ass);
               startActivity(i);
       });
       btnView.setOnClickListener(new
View.OnClickListener() {
           @Override
           public void onClick(View
view) {
               Intent i=new
Intent (MainActivity.this, ViewActivity.c
lass);
               startActivity(i);
       });
 }
Activity add.xml:
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout</pre>
xmlns:android="http://schemas.android.c
om/apk/res/android"
```

```
xmlns:tools="http://schemas.android.com
                                               public class AddActivity extends
/tools"
                                               AppCompatActivity {
   android:id="@+id/activity add"
                                                   EditText etAddName, etAddRno;
   android:layout width="match parent"
                                                  Button btnAddSave;
   android:layout height="match parent"
   android:orientation="vertical"
                                                   @Override
                                                  protected void onCreate(Bundle
   <EditText
                                                savedInstanceState) {
       android:id="@+id/etAddRno"
                                                super.onCreate(savedInstanceState);
android:layout_width="match_parent"
                                                setContentView(R.layout.activity add);
android:layout_height="wrap_content"
       android: ems="10"
                                                etAddName=(EditText)findViewById(R.id.e
       android:hint="Enter Roll No."
                                                tAddName);
       android:inputType="number" />
                                               etAddRno=(EditText)findViewById(R.id.et
   <EditText
                                               AddRno);
       android:id="@+id/etAddName"
                                               btnAddSave=(Button) findViewById(R.id.bt
android:layout width="match parent"
                                                nAddSave);
android:layout height="wrap content"
       android: ems="10"
                                               btnAddSave.setOnClickListener(new
       android:hint="Enter your name"
                                               View.OnClickListener() {
                                                           @Override
android:inputType="textPersonName"
                                                           public void onClick(View
       android:text="" />
                                               view) {
                                                               String
   <Button
                                                rno=etAddRno.getText().toString();
       android:id="@+id/btnAddSave"
                                                               String
                                               name=etAddName.getText().toString();
android:layout width="match parent"
android:layout height="wrap content"
                                                if(Integer.parseInt(rno)>0 &&
       android: text="Save"
                                               name.length()!=0)
       />
</LinearLayout>
                                               MainActivity.db.addStudent(Integer.pars
AddActivity.java:
                                                eInt(rno), name);
package com.example.mcc8b;
                                                               etAddName.setText("");
                                                               etAddRno.setText("");
                                                               etAddRno.requestFocus();
import
android.support.v7.app.AppCompatActivit
                                                       });
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
                                                Activity_view.xml:
```

```
<?xml version="1.0" encoding="utf-8"?>
                                                           tvData.setText("No records
                                                to show");
<LinearLayout
xmlns:android="http://schemas.android.c
                                                       else
om/apk/res/android"
                                                           tvData.setText("Roll No
                                                Name\n"+data);
xmlns:tools="http://schemas.android.com
/tools"
   android:id="@+id/activity view"
   android:layout width="match parent"
                                                DatabaseHelper JAVA file:
   android:layout height="match parent"
                                                package com.example.mcc8b;
   android:orientation="vertical"
                                                import android.content.ContentValues;
                                                import android.content.Context;
                                                import android.database.Cursor;
   <TextView
                                                import
       android:id="@+id/tvData"
                                                android.database.sqlite.SQLiteDatabase;
                                                import
android:layout width="match parent"
                                                android.database.sqlite.SQLiteOpenHelpe
android:layout height="wrap content"
                                                import android.widget.Toast;
       android:text=""
       android:textSize="20sp"/>
                                                public class MyDbHandler extends
                                                SQLiteOpenHelper {
</LinearLayout>
                                                   Context context;
                                                   SQLiteDatabase db;
ViewActivity.java:
package com.example.mcc8b;
                                                   MyDbHandler(Context context)
import
android.support.v7.app.AppCompatActivit
                                                super(context, "studentdb", null, 1);
                                                       this.context=context;
import android.os.Bundle;
                                                       db=this.getWritableDatabase();
import android.widget.TextView;
public class ViewActivity extends
                                                   @Override
AppCompatActivity {
                                                   public void onCreate(SQLiteDatabase
   TextView tvData;
                                                db) {
                                                       String sql="create table
   @Override
                                                student(rno integer primary key,"+"
   protected void onCreate(Bundle
                                                name text)";
savedInstanceState) {
                                                       db.execSQL(sql);
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_view);
                                                   @Override
tvData = (TextView) findViewById (R.id. tvDa
                                                   public void onUpgrade(SQLiteDatabase
                                                sqLiteDatabase, int i, int i1) {
       String
data=MainActivity.db.viewStudent();
       if(data.length() == 0)
```

```
public void addStudent(int
rno,String name) {
      ContentValues cv=new
ContentValues();
       cv.put("rno", rno);
       cv.put("name", name);
       long
rid=db.insert("student", null, cv);
       if(rid<0)
           Toast.makeText(context,
"Issue in insertion",
Toast. LENGTH SHORT) . show();
       else
Toast.makeText(context,"Inserted
Successfully", Toast. LENGTH_SHORT) . show(
);
   public String viewStudent() {
       Cursor
cursor=db.query("student", null, null, nul
1,null,null );
       StringBuffer sb=new
StringBuffer();
       cursor.moveToFirst();
       if(cursor.getCount()>0)
           do
               sb.append("
"+cursor.getString(0)+"
"+cursor.getString(1)+"\n");
           }while
(cursor.moveToNext());
       return sb.toString();
   }
```

Screenshots: **MCC 8B** ADD STUDENT VIEW STUDENTS

MCC 8B 8 Roma SAVE

MCC 8B

Roll No	Name
8	Roma
34	Vani
56	Madhu
58	Disha
72	Resham