

EXPERIMENT 8B

activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>

<LinearLayout
    xmlns:android="http://schemas.android.com/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.AppCompatActivity;
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
    xmlns:android="http://schemas.android.com/apk/res/android"
```

```

xmlns:tools="http://schemas.android.com
/tools"
    android:id="@+id/activity_add"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
>

<EditText
    android:id="@+id/etAddRno"

android:layout_width="match_parent"

android:layout_height="wrap_content"
    android:ems="10"
    android:hint="Enter Roll No."
    android:inputType="number" />

<EditText
    android:id="@+id/etAddName"

android:layout_width="match_parent"

android:layout_height="wrap_content"
    android:ems="10"
    android:hint="Enter your name"

android:inputType="textPersonName"
    android:text="" />

<Button
    android:id="@+id/btnAddSave"

android:layout_width="match_parent"

android:layout_height="wrap_content"
    android:text="Save"
/>
</LinearLayout>
AddActivity.java:
package com.example.mcc8b;

import
android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

```

```

public class AddActivity extends
AppCompatActivity {
    EditText etAddName,etAddRno;
    Button btnAddSave;

    @Override
    protected void onCreate(Bundle
savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity_add);

etAddName=(EditText) findViewById(R.id.e
tAddName);

etAddRno=(EditText) findViewById(R.id.et
AddRno);

btnAddSave=(Button) findViewById(R.id.bt
nAddSave);

btnAddSave.setOnClickListener(new
View.OnClickListener() {
    @Override
    public void onClick(View
view) {

        String
rno=etAddRno.getText().toString();
        String
name=etAddName.getText().toString();

if(Integer.parseInt(rno)>0 &&
name.length()!=0)

MainActivity.db.addStudent(Integer.pars
eInt(rno),name);

        etAddName.setText("");
        etAddRno.setText("");
        etAddRno.requestFocus();
    }

});
}
}

Activity_view.xml:

```

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_view"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    >

    <TextView
        android:id="@+id/tvData"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"
        android:text=""
        android:textSize="20sp"/>
</LinearLayout>

```

ViewActivity.java:

```

package com.example.mcc8b;

import
android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;

public class ViewActivity extends
AppCompatActivity {
    TextView tvData;

    @Override
    protected void onCreate(Bundle
savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_view);

        tvData=(TextView) findViewById(R.id.tvData);

        String
data=MainActivity.db.viewStudent();
        if(data.length()==0)

```

```

            tvData.setText("No records
to show");
        else
            tvData.setText("Roll No
Name\n"+data);
    }
}

```

DatabaseHelper JAVA file:

```

package com.example.mcc8b;
import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import
android.database.sqlite.SQLiteDatabase;
import
android.database.sqlite.SQLiteOpenHelper;
import android.widget.Toast;

public class MyDbHandler extends
SQLiteOpenHelper {
    Context context;
    SQLiteDatabase db;

    MyDbHandler(Context context)
    {

        super(context,"studentdb",null,1);
        this.context=context;
        db=this.getWritableDatabase();
    }

    @Override
    public void onCreate(SQLiteDatabase
db) {
        String sql="create table
student(rno integer primary key, "+"
name text)";

        db.execSQL(sql);

    }

    @Override
    public void onUpgrade(SQLiteDatabase
sqliteDatabase, int i, int i1) {
    }
}

```

```

        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

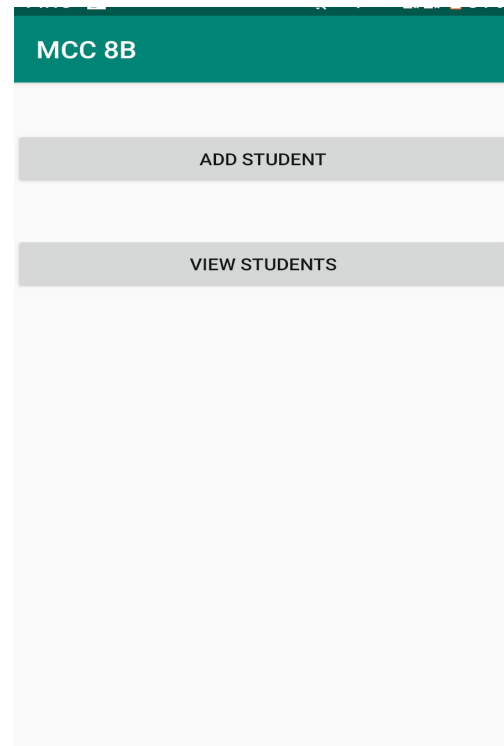
Toast.makeText(context,"Inserted
Successfully",Toast.LENGTH_SHORT).show(
);
    }

    public String viewStudent(){
        Cursor
cursor=db.query("student",null,null,nul
l,null,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

8

Roma

SAVE

MCC 8B

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