



# PRESIDENCY UNIVERSITY

Private University Estd. in Karnataka State by Act No. 41 of 2013

## BANGALORE



## **MOBILE APPLICATION DEVELOPMENT(MAD)**

### **CSE 310**

### **EXPERIMENT – SQLITE (OPEN HELPER)**



NAME: MOHAMMED SAIF

ID: 20181CSE0433

SEC: 7-CSE-7

## **QUESTION:**

Flight booking

Design an android application for online flight booking. The user will input the name, telephone number, Arrival, Destination and Date & Time of Journey. [Use Date Picker, Time Picker].

Save all the booking details in the DB.

Based on the available data, help the flight-Booking agent to fetch the following details:

[A] Number of bookings made on a particular destination.(Bangalore)

[B] Find the booking details of a particular customer(name/Id).

## **AndroidManifest.XML**

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.a20181cse0433_sqlite">

    <application
        android:allowBackup="true"
        android:icon="@drawable/logo"
        android:label="@string/app_name"
        android:roundIcon="@drawable/logo"
        android:supportsRtl="true"
        android:theme="@style/Theme.20181CSE0433_SQLITE">
        <activity
            android:name=".Insertion"
            android:exported="false" />
        <activity
            android:name=".selectBy"
            android:exported="false" />
        <activity
            android:name=".Display"
            android:exported="false" />
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>

        <meta-data
            android:name="preloaded_fonts"
            android:resource="@array/preloaded_fonts" />
    </application>

</manifest>
```

## **ACTIVITY MAIN.XML:**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto">
```

```
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="@drawable/activity"

tools:context=".MainActivity">

<Button
    android:id="@+id/buttonAdd"
    android:layout_width="221dp"
    android:layout_height="44dp"
    android:layout_marginStart="41dp"
    android:layout_marginBottom="10dp"
    android:backgroundTint="#6E3332"
    android:onClick="goToInsertion433"
    android:text="insert data"
    android:textColor="#FFFFFF"
    app:layout_constraintBottom_toTopOf="@+id/buttonDisplay"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView5" />

<Button
    android:id="@+id/buttonDisplay"
    android:layout_width="223dp"
    android:layout_height="49dp"
    android:layout_marginBottom="206dp"
    android:backgroundTint="#6E3332"
    android:onClick="goToDisplay433"
    android:text="show database"
    android:textColor="@color/white"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="@+id/buttonAdd"
    app:layout_constraintStart_toStartOf="@+id/buttonAdd"
    app:layout_constraintTop_toBottomOf="@+id/buttonAdd" />

<TextView
    android:id="@+id/textView5"
    android:layout_width="300dp"
    android:layout_height="0dp"

    android:layout_marginStart="16dp"
    android:layout_marginTop="119dp"
    android:layout_marginBottom="183dp"
    android:backgroundTint="#6E3332"
    android:fontFamily="@font/almendra_bold_italic"
    android:gravity="center|center_horizontal"
    android:text="mohammedsaif433 Travels"
    android:textColor="#6E3332"
    android:textSize="34sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toTopOf="@+id/buttonAdd"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

## **ACTIVITY INSERTION.XML:**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"

android:background="#131313"
tools:context=".Insertion">

<EditText
    android:id="@+id/editTextTextPersonName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"

    android:layout_marginTop="101dp"
    android:layout_marginEnd="10dp"
    android:backgroundTint="#BAB2B2"
    android:ems="10"
    android:hint="Name"
    android:inputType="textPersonName"
    android:minHeight="32dp"
    android:textColor="#FFFFFF"
    android:textColorHighlight="#777373"
    android:textColorHint="#8A8585"
    android:textColorLink="#777373"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    tools:ignore="TouchTargetSizeCheck" />

<EditText
    android:id="@+id/editTextTextPersonName2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"

    android:layout_marginEnd="10dp"
    android:backgroundTint="#BAB2B2"
    android:ems="10"
    android:hint="Mobile NUmber"
    android:inputType="phone"
    android:minHeight="48dp"
    android:textColor="#FFFFFF"
    android:textColorHint="#8A8585"
    app:layout_constraintBaseline_toBaselineOf="@+id/textView4"
    app:layout_constraintEnd_toEndOf="parent" />

<Spinner
    android:id="@+id/spinner"
```

```

        android:layout_width="0dp"

        android:layout_height="43dp"
        android:layout_marginTop="25dp"
        android:layout_marginBottom="28dp"
        android:backgroundTint="#BAB2B2"
        android:dropDownSelector="#DD1212"
        android:foregroundTint="#8A8585"
        android:spinnerMode="dropdown"
        app:layout_constraintBottom_toTopOf="@+id/textView2"
        app:layout_constraintEnd_toEndOf="@+id/editTextTextPersonName2"

app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName2"

app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName2"
        tools:ignore="SpeakableTextPresentCheck,TouchTargetSizeCheck" />

<Spinner
    android:id="@+id/spinner2"
    android:layout_width="0dp"
    android:layout_height="47dp"
    android:layout_marginStart="17dp"
    android:layout_marginTop="36dp"
    android:layout_marginEnd="13dp"
    android:layout_marginBottom="37dp"
    android:backgroundTint="#BAB2B2"
    app:layout_constraintBottom_toTopOf="@+id/editTextDate"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@+id/textView2"
    app:layout_constraintTop_toBottomOf="@+id/textView3"
    tools:ignore="SpeakableTextPresentCheck,TouchTargetSizeCheck" />

<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:text="Enter Name: "
    android:textColor="#BC5A58"
    android:textSize="20sp"

app:layout_constraintBottom_toBottomOf="@+id/editTextTextPersonName"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="@+id/editTextTextPersonName"
/>

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="21dp"
    android:layout_marginTop="8dp"
    android:text="Destination Loc: "
    android:textColor="#BC5A58"
    android:textSize="20sp"

```

```
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="@+id/spinner2" />
```

```
<TextView
```

```
    android:id="@+id/textView3"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="24dp"  
    android:layout_marginTop="52dp"  
    android:text="Arrival Loc: "  
    android:textColor="#BC5A58"  
    android:textSize="20sp"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toBottomOf="@+id/textView4" />
```

```
<TextView
```

```
    android:id="@+id/textView4"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="16dp"  
    android:layout_marginTop="27dp"  
    android:text="Enter Mobile No: "  
    android:textColor="#BC5A58"  
    android:textSize="20sp"  
    app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName" />
```

```
<EditText
```

```
    android:id="@+id/editTextTime"  
    android:layout_width="0dp"  
    android:layout_height="63dp"  
    android:layout_marginStart="17dp"  
    android:layout_marginTop="40dp"  
    android:layout_marginEnd="17dp"  
    android:backgroundTint="#BAB2B2"  
    android:ems="10"  
    android:hint="SELECT TIME"  
    android:inputType="time"  
    android:textColor="#FFFFFF"  
    android:textColorHint="#8A8585"  
    app:layout_constraintEnd_toEndOf="@+id/spinner"  
    app:layout_constraintStart_toEndOf="@+id/textView2"  
    app:layout_constraintTop_toBottomOf="@+id/editTextDate" />
```

```
<EditText
```

```
    android:id="@+id/editTextDate"  
    android:layout_width="0dp"  
    android:layout_height="57dp"  
    android:layout_marginStart="19dp"  
    android:layout_marginTop="220dp"  
    android:layout_marginEnd="18dp"  
    android:layout_marginBottom="220dp"  
    android:backgroundTint="#BAB2B2"  
    android:ems="10"  
    android:hint="SELECT DATE"
```



```
android:inputType="date"
android:textColor="#FFFFFF"
android:textColorHint="#8A8585"
app:layout_constraintBottom_toBottomOf="@+id/button2"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toEndOf="@+id/textView2"
app:layout_constraintTop_toTopOf="@+id/editTextTextPersonName2"
tools:ignore="TouchTargetSizeCheck" />
```

<Button

```
android:id="@+id/button2"
android:layout_width="161dp"
android:layout_height="57dp"
android:layout_marginBottom="71dp"
android:backgroundTint="#6E3332"
android:text="ADD"
android:textColor="@color/white"
android:textSize="23sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent" />
```

<Button

```
android:id="@+id/buttonDate"
android:layout_width="0dp"
android:layout_height="0dp"
android:layout_marginStart="18dp"
android:layout_marginEnd="18dp"
android:backgroundTint="#6E3332"
android:text="click me to select date"
android:textColor="#FFFCFC"
app:layout_constraintBottom_toBottomOf="@+id/editTextDate"
app:layout_constraintEnd_toEndOf="@+id/textView4"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/editTextDate" />
```

<Button

```
android:id="@+id/buttonTime"
android:layout_width="0dp"
android:layout_height="0dp"
android:layout_marginStart="21dp"
android:layout_marginEnd="27dp"
android:backgroundTint="#6E3332"
android:text="click me to select time"
android:textColor="#FFFCFC"
app:layout_constraintBottom_toBottomOf="@+id/editTextTime"
app:layout_constraintEnd_toStartOf="@+id/editTextTime"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/editTextTime" />
```

<TextView

```
android:id="@+id/textView6"
android:layout_width="273dp"
android:layout_height="51dp"
android:layout_marginTop="16dp"
android:fontFamily="@font/acme"
```

```
        android:text="INSERT NEW DATA"
        android:textColor="#D3E35151"
        android:textSize="34sp"
        android:textStyle="bold|italic"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

## **ACTIVITY\_DISPLAY.XML:**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_gravity="center|center_horizontal"
    tools:context=".Display">

    <TextView
        android:id="@+id/textView7"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:layout_marginStart="46dp"
        android:layout_marginTop="153dp"
        android:layout_marginEnd="46dp"
        android:layout_marginBottom="83dp"
        android:fontFamily="@font/acme"
        android:text="PASSENGER DETAILS"
        android:textColor="#D3E35151"
        android:textSize="34sp"
        android:textStyle="bold|italic"
        app:layout_constraintBottom_toTopOf="@+id/button1"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/button4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="113dp"
        android:backgroundTint="#6E3332"
        android:onClick="selectBy433"
        android:text="SELECT BY DESTINATION LOCATION"
        android:textColor="@color/white"
        app:layout_constraintBottom_toTopOf="@+id/buttonHomeDisplay"
        app:layout_constraintEnd_toEndOf="@+id/button3"
        app:layout_constraintTop_toBottomOf="@+id/button3" />
```



```

<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="2dp"
    android:layout_marginBottom="6dp"
    android:backgroundTint="#6E3332"
    android:onClick="selectBy433"
    android:text="SELECT BY PASSENGER NAME"
    android:textColor="@color/white"
    app:layout_constraintBottom_toTopOf="@+id/button3"
    app:layout_constraintEnd_toEndOf="@+id/button1"
    app:layout_constraintTop_toBottomOf="@+id/button1" />

<Button
    android:id="@+id/button1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="16dp"
    android:backgroundTint="#6E3332"
    android:onClick="showDB433"
    android:text="SHOW PASSENGER DETAILS"
    android:textColor="@color/white"
    app:layout_constraintBottom_toTopOf="@+id/button2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView7" />

<Button
    android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="16dp"
    android:backgroundTint="#6E3332"
    android:onClick="selectBy433"
    android:text="SELECT BY ARRIVAL LOCATION"
    android:textColor="@color/white"
    app:layout_constraintBottom_toTopOf="@+id/button4"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/button2" />

<Button
    android:id="@+id/buttonCOUNT"
    android:layout_width="362dp"
    android:layout_height="45dp"
    android:layout_marginStart="16dp"
    android:layout_marginEnd="16dp"
    android:layout_marginBottom="61dp"
    android:backgroundTint="#6E3332"
    android:onClick="selectBy433"
    android:text="COUNT BOOKINGS BASED ON DESTINATION"
    android:textColor="@color/white"
    app:layout_constraintBottom_toTopOf="@+id/buttonHomeDisplay"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/buttonLOC" />

```

```

<Button
    android:id="@+id/buttonHomeDisplay"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="93dp"
    android:backgroundTint="#6E3332"
    android:onClick="intent433"
    android:text="GO TO HOME"
    android:textColor="@color/white"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/button4" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

## **ACTIVITY SELECT BY.XML:**

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".selectBy">

    <EditText
        android:id="@+id/editTextTextPersonName4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="156dp"
        android:backgroundTint="#6E3332"
        android:ems="10"
        android:hint="Enter Input Here"
        android:inputType="textPersonName"
        android:textAlignment="center"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/button10"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:backgroundTint="#6E3332"
        android:onClick="display"
        android:text="show data"
        android:textColor="@color/white"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName4" />

```

```

<Button
    android:id="@+id/buttonPrev"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="22dp"
    android:backgroundTint="#6E3332"
    android:onClick="intent433"
    android:text="GO TO PREVIOUS PAGE"
    android:textColor="@color/white"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/buttonHome" />

<Button
    android:id="@+id/buttonHome"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="16dp"
    android:layout_marginBottom="288dp"
    android:backgroundTint="#6E3332"
    android:onClick="intent433"
    android:text="GO TO HOME"
    android:textColor="@color/white"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

## **DATABASE.JAVA:**

```

package com.example.a20181cse0433_sqlite;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import androidx.annotation.Nullable;

public class DataBase extends SQLiteOpenHelper {

    public static final String DATABASE_NAME = "BOOKINGS.db";
    public static final String TABLE_NAME = "FLIGHT";
    public static final String col1 = "Name";
    public static final String col2 = "Mobile";
    public static final String col3 = "Arrival";
    public static final String col4 = "Destination";
    public static final String col5 = "Date";
    public static final String col6 = "Time";

    public DataBase(@Nullable Context context) {

```

```

        super(context, DATABASE_NAME, null, 1); //Change to DB_NAME ,
        null , 1
    }

    @Override
    public void onCreate(SQLiteDatabase sqLiteDatabase) {
        sqLiteDatabase.execSQL("create table "+TABLE_NAME+" (NAME
TEXT,MOBILE TEXT,ARRIVAL TEXT,DESTINATION TEXT,DATE TEXT,TIME TEXT)");
    }

    @Override
    public void onUpgrade(SQLiteDatabase sqLiteDatabase, int i, int i1)
    {
        sqLiteDatabase.execSQL("DROP TABLE IF EXISTS "+TABLE_NAME);
        onCreate(sqLiteDatabase);
    }

    //Adding Function for Insertion
    public boolean insertData433(String name, String mobile, String
arrival, String dest, String date, String time){
        SQLiteDatabase db433 = this.getWritableDatabase();
        ContentValues contentValues433 = new ContentValues();
        contentValues433.put(col1,name);
        contentValues433.put(col2,mobile);
        contentValues433.put(col3,arrival);
        contentValues433.put(col4,dest);
        contentValues433.put(col5,date);
        contentValues433.put(col6,time);

        long res433 = db433.insert(TABLE_NAME,null,contentValues433);
        if(res433==-1) return false;
        else return true;
    }

    //Adding Function to Display the data in the table
    public Cursor display433() {
        SQLiteDatabase db = this.getWritableDatabase();
        Cursor res = db.rawQuery("select * from "+TABLE_NAME,null);
        return res;
    }

    public Cursor findByName433(String name){
        SQLiteDatabase db = this.getWritableDatabase();
        Cursor res = db.rawQuery("SELECT * FROM "+TABLE_NAME+" where
Name = ?",new String[]{name});
        return res;
    }

    public Cursor findByArrival433(String arrival){
        SQLiteDatabase db = this.getWritableDatabase();
        Cursor res = db.rawQuery("SELECT * FROM "+TABLE_NAME+" where
Arrival = ?",new String[]{arrival});
        return res;
    }

```

```

    public Cursor findByDestination433(String destination){
        SQLiteDatabase db = this.getWritableDatabase();
        Cursor res = db.rawQuery("SELECT * FROM "+TABLE_NAME+" where
Destination = ?",new String[]{destination});
        return res;
    }
}

```

### **MainActivity.Java:**

```

package com.example.a20181cse0433_sqlite;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog;
import android.app.TimePickerDialog;
import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.TimePicker;
import android.widget.Toast;

import java.util.Calendar;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void goToDisplay433(View view) {
        Intent i = new Intent(MainActivity.this,Display.class);
        startActivity(i);
    }

    public void goToInsertion433(View view) {
        Intent i = new Intent(MainActivity.this,Insertion.class);
        startActivity(i);
    }
}

```

```
}
```

## **Insertion.Java:**

```
package com.example.a20181cse0433_sqlite;

import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog;
import android.app.TimePickerDialog;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.TimePicker;
import android.widget.Toast;

import java.util.Calendar;

public class Insertion extends AppCompatActivity {

    DataBase dataBase433; //new Class Name
    EditText ed1, ed2;
    Spinner sp1, sp2;
    EditText dateEd, timeEd ;
    Button addBtn433, dateBtn433, timeBtn433;

    String name433, mobile433, arrival433, destination433, date433,
time433;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_insertion);

        dataBase433 = new DataBase(Insertion.this);
        ed1 = findViewById(R.id.editTextTextPersonName);
        ed2 = findViewById(R.id.editTextTextPersonName2);
        sp1 = findViewById(R.id.spinner);
        sp2 = findViewById(R.id.spinner2);
        dateEd = findViewById(R.id.editTextDate);
        timeEd = findViewById(R.id.editTextTime);

        addBtn433 = findViewById(R.id.button2);
        dateBtn433 = findViewById(R.id.buttonDate);
        timeBtn433 = findViewById(R.id.buttonTime);

        //Adding Values to Drop Down - Spinner
```



```

        ArrayAdapter arr433 = new ArrayAdapter(this,
        android.R.layout.simple_spinner_dropdown_item, getResources().getStringAr
        ray(R.array.Arrival));
        ArrayAdapter dest433 = new ArrayAdapter(this,
        android.R.layout.simple_spinner_dropdown_item, getResources().getStringAr
        ray(R.array.Destination));

        //For Arrival Drop Down

arr433.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_
item);
        sp1.setAdapter(arr433);

        //For Destination DropDown

dest433.setDropDownViewResource(android.R.layout.simple_spinner_dropdown
_item);
        sp2.setAdapter(dest433);

        //Selecting Date
        dateBtn433.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Calendar c = Calendar.getInstance();
                int mYear = c.get(Calendar.YEAR);
                int mMonth = c.get(Calendar.MONTH);
                int mDate = c.get(Calendar.DATE);
                DatePickerDialog datePickerDialog = new
DatePickerDialog(Insertion.this,
        android.R.style.Theme_DeviceDefault_DialogWhenLarge, new
        DatePickerDialog.OnDateSetListener() {
            @Override
            public void onDateSet(DatePicker view, int year, int
month, int dayOfMonth) {
                dateEd.setText(dayOfMonth+"/"+(month+1)+"/"+year);
                dateEd.setText(year+"-"+(month+1)+"-"+dayOfMonth);
            }
        },mYear,mMonth,mDate);
                datePickerDialog.show();
            }
        });

        //Selecting Time
        timeBtn433.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Calendar calendar = Calendar.getInstance();
                int hour = calendar.get(Calendar.HOUR);
                int min = calendar.get(Calendar.MINUTE);

                TimePickerDialog timePickerDialog = new
TimePickerDialog(Insertion.this,

```

```

android.R.style.Theme_DeviceDefault_Dialog, new
TimePickerDialog.OnTimeSetListener() {
    @Override
    public void onTimeSet(TimePicker timePicker, int i, int
i1) {
        timeEd.setText(i+":"+i1);
    }
    },hour,min,true);
    timePickerDialog.show();
}
});

AddData433();

}

public void AddData433(){
    addBtn433.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            name433 = ed1.getText().toString();
            mobile433 = ed2.getText().toString();
            arrival433 = sp1.getSelectedItem().toString();
            destination433 = sp2.getSelectedItem().toString();
            date433 = dateEd.getText().toString();
            time433 = timeEd.getText().toString();

            if(arrival433.equals(destination433)){
                Toast.makeText(getApplicationContext(), "Arrival &
Destination Can't be Same", Toast.LENGTH_SHORT).show();
            }
            else{

                if (name433.equals("") || mobile433.equals("") ||
date433.equals("") || time433.equals("")) {
                    Toast.makeText(getApplicationContext(), "All Fields
Are Mandatory", Toast.LENGTH_SHORT).show();
                } else {
                    boolean isInserted433 = dataBase433.insertData433
(
                        name433,
                        mobile433,
                        arrival433,
                        destination433,
                        date433,
                        time433
                    );
                    if (isInserted433)
                        Toast.makeText(Insertion.this, "Data Inserted",
Toast.LENGTH_SHORT).show();
                    else
                        Toast.makeText(Insertion.this, "Data Not
Inserted", Toast.LENGTH_SHORT).show();
                }
            }
        }
    });
}

```

```

        Intent intent433 = new Intent(Insertion.this,
MainActivity.class);
        startActivity(intent433);
    }
}
});
}
}

```

### **Display.Java:**

```

package com.example.a20181cse0433_sqlite;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;

public class Display extends AppCompatActivity {
    Button name433, arr433, dest433, showDatabase433, count433;
    DataBase dataBase433;
    MainActivity mainActivity433;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_display);

        dataBase433 = new DataBase(Display.this);
        mainActivity433 = new MainActivity();

        name433 = findViewById(R.id.button2);
        arr433 = findViewById(R.id.button3);
        dest433 = findViewById(R.id.button4);
        showDatabase433 = findViewById(R.id.button1);
    }

    public void showDB433(View view) {
        Cursor res = dataBase433.display433();
        if(res.getCount() == 0){
            showMessage433("Error", "No Data Found....");
            return;
        }

        StringBuffer stringBuffer433 = new StringBuffer();
        while (res.moveToNext()){
            stringBuffer433.append("Name: "+res.getString(0)+"\n");
            stringBuffer433.append("Mobile Number:
"+res.getString(1)+"\n");

```

```

        stringBuffer433.append("Arrival : "+res.getString(2)+"\n");
        stringBuffer433.append("Destination:
"+res.getString(3)+"\n");
        stringBuffer433.append("Date: "+res.getString(4)+"\n");
        stringBuffer433.append("Time: "+res.getString(5)+"\n\n\n");
    }
    showMessage433("Data",stringBuffer433.toString());
}

public void selectBy433(View view) {

    String message433;
    Intent intent433 = new Intent(Display.this,selectBy.class);

    switch (view.getId()){
        case R.id.button2:
            message433 = "byName";
            intent433.putExtra("button",message433);
            startActivity(intent433);
            break;

        case R.id.button3:
            message433 = "byArrival";
            intent433.putExtra("button",message433);
            startActivity(intent433);
            break;

        case R.id.button4:
            message433 = "byDestination";
            intent433.putExtra("button",message433);
            startActivity(intent433);
            break;

        case R.id.buttonCOUNT:
            message433 = "byCount";
            intent433.putExtra("button",message433);
            startActivity(intent433);
            break;

    }

}

public void showMessage433(String title, String msg){
    AlertDialog.Builder builder433 = new AlertDialog.Builder(this);
    builder433.setCancelable(true);
    builder433.setTitle(title);
    builder433.setMessage(msg);
    builder433.show();
}

public void intent433(View view) {
    Intent intent = new Intent(Display.this,MainActivity.class);
    startActivity(intent);
}

```

```
}  
}
```

## **SelectBy.Java:**

```
package com.example.a20181cse0433_sqlite;  
  
import android.content.Intent;  
import android.database.Cursor;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
public class selectBy extends Display {  
    DataBase dataBase;  
  
    EditText editText;  
    Button btn;  
  
    String value433;  
    String message433;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_select_by);  
  
        dataBase = new DataBase(selectBy.this);  
  
        editText = findViewById(R.id.editTextTextPersonName4);  
        btn = findViewById(R.id.button10);  
  
        Intent intent433 = getIntent();  
        message433 = intent433.getStringExtra("button");  
    }  
  
    public void display(View view) {  
        value433 = editText.getText().toString();  
  
        if(message433.equals("byName")){  
            Cursor res = dataBase.findByName433(value433);  
            if(res.getCount() == 0){  
                showMessage433("Error","No Data Found!!!");  
                return;  
            }  
  
            StringBuffer stringBuffer433 = new StringBuffer();  
            while (res.moveToNext()){  
                stringBuffer433.append("Name: "+res.getString(0)+"\n");  
                stringBuffer433.append("Mobile Number:  
"+res.getString(1)+"\n");  
            }  
        }  
    }  
}
```

```

        stringBuffer433.append("Arrival :
"+res.getString(2)+"\n");
        stringBuffer433.append("Destination:
"+res.getString(3)+"\n");
        stringBuffer433.append("Date: "+res.getString(4)+"\n");
        stringBuffer433.append("Time:
"+res.getString(5)+"\n\n\n");
    }
    showMessage433("Data Found By Name "+
value433,stringBuffer433.toString());
}

else if(message433.equals("byArrival")){
    Cursor res433 = DataBase.findByArrival433(value433);
    if(res433.getCount() == 0){
        showMessage433("Error","No Data Found!!!");
        return;
    }

    StringBuffer stringBuffer433 = new StringBuffer();
    while (res433.moveToNext()){
        stringBuffer433.append("Name:
"+res433.getString(0)+"\n");
        stringBuffer433.append("Mobile Number:
"+res433.getString(1)+"\n");
        stringBuffer433.append("Arrival :
"+res433.getString(2)+"\n");
        stringBuffer433.append("Destination:
"+res433.getString(3)+"\n");
        stringBuffer433.append("Date:
"+res433.getString(4)+"\n");
        stringBuffer433.append("Time:
"+res433.getString(5)+"\n\n\n");
    }
    showMessage433("Data Found By Arrival "+
value433,stringBuffer433.toString());
}

else if(message433.equals("byDestination")){
    Cursor res433 = DataBase.findByDestination433(value433);
    if(res433.getCount() == 0){
        showMessage433("Error","No Data Found!!!");
        return;
    }

    StringBuffer stringBuffer = new StringBuffer();
    while (res433.moveToNext()){
        stringBuffer.append("Name: "+res433.getString(0)+"\n");
        stringBuffer.append("Mobile Number:
"+res433.getString(1)+"\n");
        stringBuffer.append("Arrival :
"+res433.getString(2)+"\n");

```



```

        stringBuffer.append("Destination:
"+res433.getString(3)+"\n");
        stringBuffer.append("Date: "+res433.getString(4)+"\n");
        stringBuffer.append("Time:
"+res433.getString(5)+"\n\n\n");
    }
    showMessage433("Data Found By Destination "+
value433,stringBuffer.toString());
}

    else if(message433.equals("byCount")){
        Cursor res433 = DataBase.findByDestination433(value433);
        int count = res433.getCount();
        showMessage433("Total No of Records found for Destination:
"+value433, String.valueOf(count));
        return;
    }

}

}

public void intent433(View view) {
    Intent intent433;
    switch (view.getId()){
        case R.id.buttonHome:
            intent433 = new
Intent(selectBy.this,MainActivity.class);
            startActivity(intent433);
            break;

        case R.id.buttonPrev:
            intent433 = new Intent(selectBy.this,Display.class);
            startActivity(intent433);
            break;

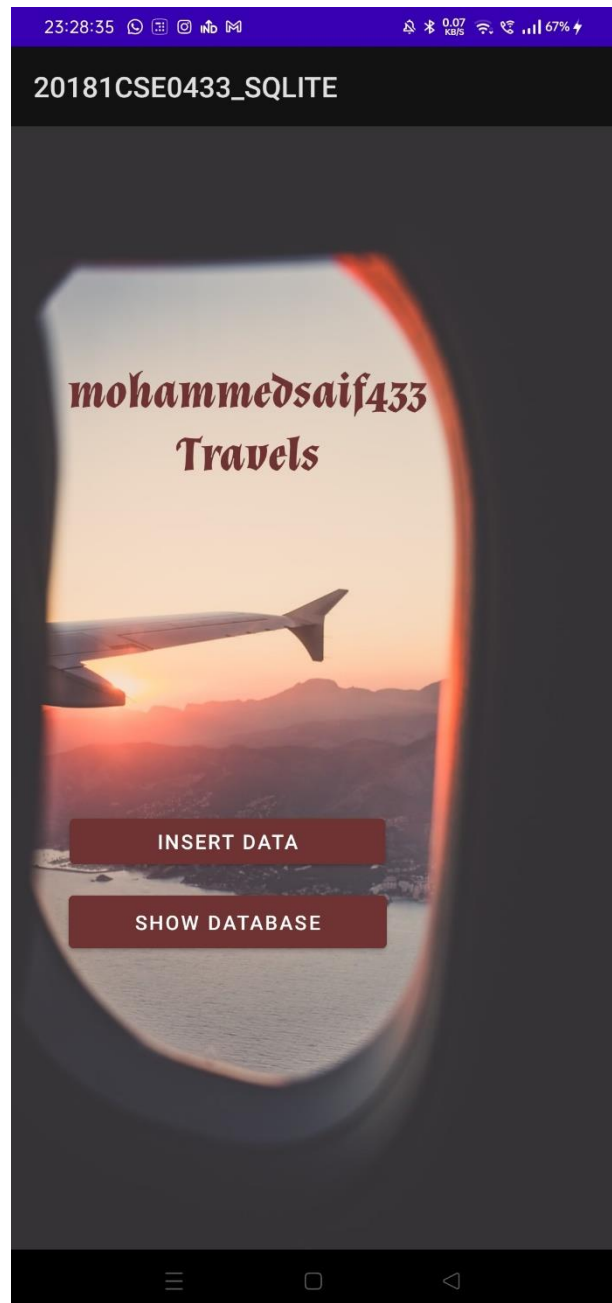
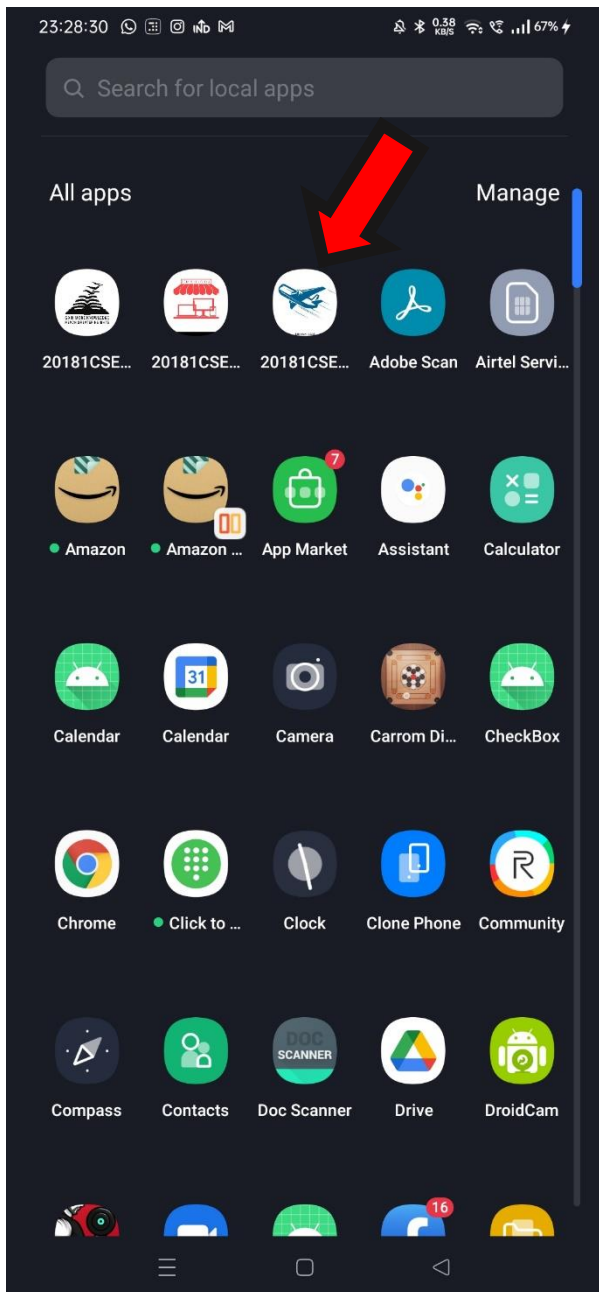
    }

}

}
}

```

## OUTPUT SCREENSHOTS



23:28:40 20181CSE0433\_SQLITE

## INSERT NEW DATA

Enter Name:

Enter Mobile No:

Arrival Loc:

Destination Loc:

CLICK ME TO SELECT

CLICK ME TO SELECT TIME

ADD

23:39:45 20181CSE0433\_SQLITE

## PASSENGER DETAILS

SHOW PASSENGER DETAILS

SELECT BY PASSENGER NAME

SELECT BY ARRIVAL LOCATION

SELECT BY DESTINATION LOCATION

COUNT BOOKINGS BASED ON DESTINATION

GO TO HOME

23:29:01 20181CSE0433\_SQLITE

## INSERT NEW DATA

Enter Name:

Enter Mobile No:

Arrival Loc:

Destination Loc:

CLICK ME TO SELECT

CLICK ME TO SELECT TIME

All Fields Are Mandatory

23:29:22 2021

## Fri, 10 Dec

December 2021

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

CANCEL OK

20181CSE0433\_SQLITE

## INSERT NEW DATA

Enter Name:

Enter Mobile No:

Arrival Loc:

Destination Loc:

CLICK ME TO SELECT

CLICK ME TO SELECT TIME

22:10

ADD

20181CSE0433\_SQLITE

## INSERT NEW DATA

Enter Name:

Enter Mobile No:

Arrival Loc:

Destination Loc:

CLICK ME TO SELECT

CLICK ME TO SELECT TIME

SELECT TIME

ADD

20181CSE0433\_SQLITE

## INSERT NEW DATA

Enter Name:

Enter Mobile No:

Arrival Loc:

Destination Loc:

CLICK ME TO SELECT

CLICK ME TO SELECT TIME

ADD

20181CSE0433\_SQLITE

## INSERT NEW DATA

Enter Name:

Enter Mobile No:

Arrival Loc:

Destination Loc:

CLICK ME TO SELECT

CLICK ME TO SELECT TIME

2021-12-10

22:10

Arrival & Destination Can't be Same

