**Activity\_main.xml**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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:orientation="vertical"  
 tools:context=".MainActivity">  
  
  
 <EditText  
 android:id="@+id/uname"  
 android:layout\_width="match\_parent"  
 android:layout\_height="72dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="Name" />  
  
 <EditText  
 android:id="@+id/upass"  
 android:layout\_width="match\_parent"  
 android:layout\_height="67dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="password" />  
  
 <Button  
 android:id="@+id/login"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="login" />  
  
 <Button  
 android:id="@+id/register"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="register" />  
  
 <Button  
 android:id="@+id/delete"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="delete" />  
  
 <Button  
 android:id="@+id/update"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="update" />  
  
 <Button  
 android:id="@+id/display"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="display" />  
  
 <TextView  
 android:id="@+id/res"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="TextView" />  
  
</LinearLayout>

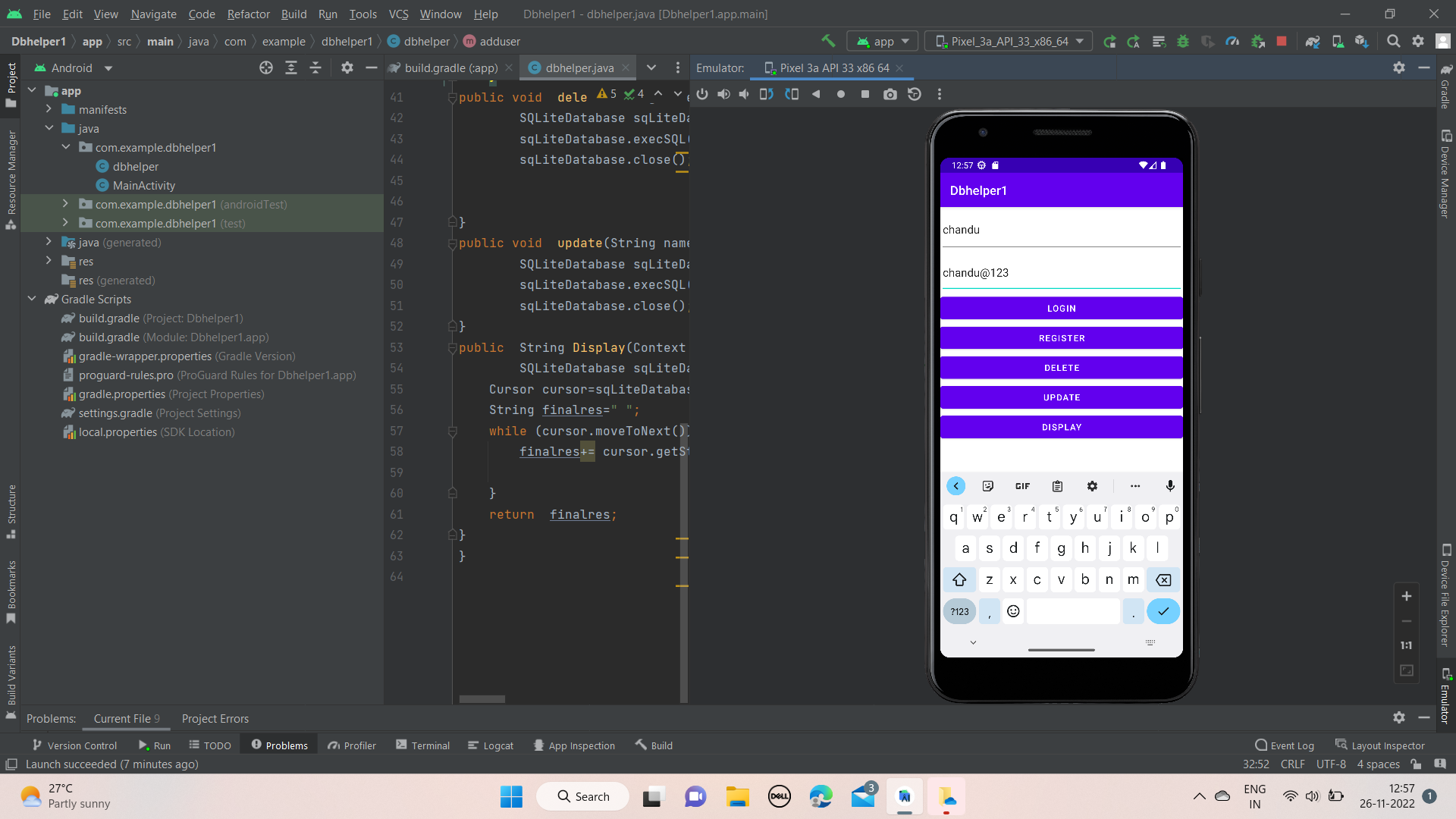
**MainActivity.java**

package com.example.dbhelper1;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.annotation.SuppressLint;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
  
public class MainActivity extends AppCompatActivity {  
 Button register,update,delete,display,login;  
 EditText uname,upass;  
 TextView res;  
 private static final String *dbName*="studentdb";  
 private static final String *tbName*="student";  
 private static final int *dbVersion* = 1;  
 dbhelper mydbhelper;  
  
 @SuppressLint("MissingInflatedId")  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 setContentView(R.layout.*activity\_main*);  
 register=findViewById(R.id.*register*);  
 update=findViewById(R.id.*update*);  
 delete=findViewById(R.id.*delete*);  
 display=findViewById(R.id.*display*);  
 login=findViewById(R.id.*login*);  
 res=findViewById(R.id.*res*);  
 uname=findViewById(R.id.*uname*);  
 upass=findViewById(R.id.*upass*);  
 register.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 mydbhelper=new dbhelper(MainActivity.this,*dbName*,null,*dbVersion*);  
 long val=mydbhelper.adduser(uname.getText().toString(),upass.getText().toString());  
 if(val==-1){  
 Toast.*makeText*(MainActivity.this,"Registered",Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
 update.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 mydbhelper=new dbhelper(MainActivity.this,*dbName*,null,*dbVersion*);  
 mydbhelper.update(uname.getText().toString(),upass.getText().toString());  
 }  
 });  
 delete.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 mydbhelper=new dbhelper(MainActivity.this,*dbName*,null,*dbVersion*);  
 mydbhelper.delete(uname.getText().toString());  
 }  
 });  
 display.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 mydbhelper=new dbhelper(MainActivity.this,*dbName*,null,*dbVersion*);  
 String value=mydbhelper.Display(MainActivity.this);  
 res.setText(value);  
 }  
 });  
 }  
}

**dbhelper.java**

package com.example.dbhelper1;  
  
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 dbhelper extends SQLiteOpenHelper {  
 private static final String *dbName* = "studentdb";  
 private static final String *tbName* = "student";  
 private static final int *dbVersion* = 1;  
 public dbhelper(@Nullable Context context, @Nullable String name, @Nullable SQLiteDatabase.CursorFactory factory, int version) {  
 super(context, name, factory, version);  
 }  
  
 @Override  
 public void onCreate(SQLiteDatabase db) {  
 db.execSQL("CREATE TABLE " + *tbName*+ "(uname VARCHAR(10),passw VARCHAR(10))" + ";");  
  
  
  
 }  
  
 @Override  
 public void onUpgrade(SQLiteDatabase db, int prev\_v, int new\_v) {  
 db.execSQL("DROP TABLE IF EXISTS " + *tbName*);  
 onCreate(db);  
 }  
 public long adduser(String name, String pass) {  
 SQLiteDatabase sqLiteDatabase = this.getWritableDatabase();  
 ContentValues cv = new ContentValues();  
 cv.put("uname", name);  
 cv.put("passw ", pass);  
 long result = sqLiteDatabase.insert(*tbName*, null, cv);  
 sqLiteDatabase.close();  
 return result;  
 }  
public void delete(String name){  
 SQLiteDatabase sqLiteDatabase=this.getWritableDatabase();  
 sqLiteDatabase.execSQL("DELETE FROM " + *tbName*+ " WHERE uname='" + name + "';");  
 sqLiteDatabase.close();  
  
   
}  
public void update(String name,String pass){  
 SQLiteDatabase sqLiteDatabase=this.getWritableDatabase();  
 sqLiteDatabase.execSQL("UPDATE " + *tbName*+ " SET passw='" + pass + "'" + " WHERE uname='" + name + "';");  
 sqLiteDatabase.close();  
}  
public String Display(Context ctx){  
 SQLiteDatabase sqLiteDatabase=this.getReadableDatabase();  
 Cursor cursor=sqLiteDatabase.rawQuery("SELECT \* FROM " + *tbName*, null);  
 String finalres=" ";  
 while (cursor.moveToNext()){  
 finalres+= cursor.getString(0)+":"+ cursor.getString(1);  
  
 }  
 return finalres;  
}  
}

**OUTPUT**

****