database.java………..

```java
package com.example.dbprojectexample;

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 {
    private static final String
DB_NAME="useraugust23.db";

    public database(@Nullable Context context) {
        super(context,DB_NAME, null, 1);
    }

    @Override
    public void onCreate(SQLiteDatabase sqLiteDatabase) {
        String q="Create Table login1(id integer primary
key autoincrement, name text, username text, password
text);";

        sqLiteDatabase.execSQL(q);
       // String q="Insert.....";
        //sqLiteDatabase.execSQL(q);
    }

    @Override
    public void onUpgrade(SQLiteDatabase sqLiteDatabase,
int i, int i1) {
    sqLiteDatabase.execSQL("drop table if exists
login1");
    onCreate(sqLiteDatabase);
    }

    public boolean insert_data(String name, String uname,
String pwd){
        SQLiteDatabase db= this.getWritableDatabase();
```

```java
            ContentValues c= new ContentValues();
            c.put("name",name);
            c.put("username",uname);
            c.put("password", pwd);
            long r=db.insert("login1", null, c);
            if (r==-1)
                return false;
            else
                return true;
        }



    public boolean update_data(String name, String uname,
String pwd){
            SQLiteDatabase db= this.getWritableDatabase();
            ContentValues c= new ContentValues();
            Cursor cursor = db.rawQuery("select * from login1
where name = ?", new String[] {name});
            c.put("name",name);
            c.put("username",uname);
            c.put("password", pwd);
            if (cursor.getCount()>0) {
                long r = db.update("login1", c, "name=?", new
String[]{name});
                if (r == -1)
                    return false;
                else
                    return true;
            }
            else
                    return false;
        }

    public boolean delete_data(String name){
            SQLiteDatabase db= this.getWritableDatabase();
            Cursor cursor = db.rawQuery("select * from login1
where name = ?", new String[] {name});
            if (cursor.getCount()>0) {
                long r = db.delete("login1", "name=?", new
String[]{name});
                if (r == -1)
```

```java
                return false;
            else
                return true;
        }
        else
            return false;
    }

    public Cursor view_data() {
        SQLiteDatabase db = this.getWritableDatabase();
        Cursor cursor = db.rawQuery("select * from
login1", null);

        return  cursor;
    }

}
```

………………

MainActivity.Java

```java
package com.example.dbprojectexample;

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

import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    Button btnView, btnInsert, btnDelete, btnUpdate;
    EditText edtUname,edtName, edtPassword;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

```java
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        find();
        database g= new database(this);
        Toast.makeText(this, "hello creating db...",
Toast.LENGTH_LONG).show();

        btnInsert.setOnClickListener(new
View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Boolean check=true;
                String name=edtName.getText().toString();
                String uname=edtUname.getText().toString();
                String
pwd=edtPassword.getText().toString();

                if (name.equals("") || uname.equals("")||
pwd.equals(""))
                    Toast.makeText(getApplicationContext(),
"Enter data", Toast.LENGTH_LONG).show();
                else
                    check=g.insert_data(name,uname,pwd);
                if (check)
                    Toast.makeText(getApplicationContext(),
"1 Record inserted", Toast.LENGTH_LONG).show();
                else
                    Toast.makeText(getApplicationContext(),
"Record insertion failed", Toast.LENGTH_LONG).show();
            }

        });

        btnUpdate.setOnClickListener(new
View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String name, uname, pwd;
                String name1=edtName.getText().toString();
                String
uname1=edtUname.getText().toString();
                String
```

```java
pwd1=edtPassword.getText().toString();

                Boolean
check=g.update_data(name1,uname1,pwd1);
                if (check)
                    Toast.makeText(getApplicationContext(),
"1 Record Updated", Toast.LENGTH_LONG).show();
                else
                    Toast.makeText(getApplicationContext(),
"Record updation failed", Toast.LENGTH_LONG).show();
            }
        });

        btnView.setOnClickListener(new
View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Cursor cData=g.view_data();
                if (cData.getCount()<0){
                    Toast.makeText(MainActivity.this, "No
record found", Toast.LENGTH_LONG).show();
                }
                else {
                    StringBuffer buffer=new StringBuffer();
                    while (cData.moveToNext()) {
                        buffer.append("Id: " +
cData.getString(0)+ "\n");
                        buffer.append("Name: " +
cData.getString(1)+ "\n");
                        buffer.append("User Name: " +
cData.getString(2)+ "\n");
                        buffer.append("Password : " +
cData.getString(3)+ "\n\n");
                    }
                    AlertDialog.Builder builder = new
AlertDialog.Builder(MainActivity.this);
                    builder.setCancelable(true);
                    builder.setTitle("User Entries.....");
                    builder.setMessage(buffer.toString());
                    builder.show();
                }
```

```java
            }
        });


        btnDelete.setOnClickListener(new
View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String name1=edtName.getText().toString();
                Boolean check=g.delete_data(name1);
                if (check)
                    Toast.makeText(getApplicationContext(),
"1 Record Deleted", Toast.LENGTH_LONG).show();
                else
                    Toast.makeText(getApplicationContext(),
"Record Deletion failed", Toast.LENGTH_LONG).show();


            }
        });
    }


    private void find() {
        btnDelete=findViewById(R.id.btnDelete);
        btnInsert=findViewById(R.id.btnInsert);
        btnUpdate=findViewById(R.id.btnUpdate);
        btnView=findViewById(R.id.btnView);
        edtName=findViewById(R.id.edtName);
        edtUname=findViewById(R.id.edtUname);
        edtPassword=findViewById(R.id.edtPassword);


    }
}
```
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xml….

```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"
```

```xml
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#F6C2C2"
    android:orientation="vertical"
    tools:context=".MainActivity">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Sign Up/Login"
            android:textSize="35sp"
            android:textStyle="bold"
            android:layout_gravity="center"/>

    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Name:"
            android:textSize="20sp"/>

        <EditText
            android:id="@+id/edtName"
            android:layout_width="325dp"
            android:layout_height="wrap_content"
            android:hint="Enter your Name: " />


    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
```

```xml
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="User Name:"
            android:textSize="20sp"/>

        <EditText
            android:id="@+id/edtUname"
            android:layout_width="325dp"
            android:layout_height="wrap_content"
            android:hint="Enter your User Name: " />


    </LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Password:"
            android:textSize="20sp"/>

        <EditText
            android:id="@+id/edtPassword"
            android:layout_width="325dp"
            android:layout_height="wrap_content"
            android:hint="Enter your Password: "
            android:inputType="textPassword"/>


    </LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:gravity="center">
        <Button
            android:id="@+id/btnInsert"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
```

```xml
        android:text="Insert"/>
    <Button
        android:id="@+id/btnDelete"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Delete"
        android:layout_marginLeft="20dp"/>

</LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:gravity="center">
        <Button
            android:id="@+id/btnView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="View"/>
        <Button
            android:id="@+id/btnUpdate"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Update"
            android:layout_marginLeft="20dp"/>

    </LinearLayout>

</LinearLayout>
```