***Activity\_main.xml***

*<?*xml version="1.0" encoding="utf-8"*?>*<RelativeLayout 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=".MainActivity">  
  
 <TextView  
 android:text="username"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginTop="12dp"  
 android:id="@+id/textView"  
 android:textSize="18sp"  
 android:textStyle="bold|italic"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:gravity="center" />  
  
 <EditText  
 android:id="@+id/editName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/textView"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:ems="10"  
 android:gravity="center\_vertical|center"  
 android:hint="Enter Name"  
 android:inputType="textPersonName"  
 android:minHeight="48dp"  
 android:textStyle="bold|italic" />  
  
 <TextView  
 android:text="password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="13dp"  
 android:id="@+id/textView2"  
 android:textStyle="bold|italic"  
 android:textSize="18sp"  
 android:layout\_below="@+id/editName"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:gravity="center"  
 android:hint="Enter Password" />  
  
 <Button  
 android:text="view\_data"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/button2"  
 android:textSize="18sp"  
 android:onClick="viewdata"  
 android:textStyle="bold|italic"  
 android:layout\_alignBaseline="@+id/button"  
 android:layout\_alignBottom="@+id/button"  
 android:layout\_alignRight="@+id/button4"  
 android:layout\_alignEnd="@+id/button4" />  
  
 <Button  
 android:text="add\_user"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/button"  
 android:textStyle="bold|italic"  
 android:textSize="18sp"  
 android:onClick="addUser"  
 android:layout\_marginLeft="28dp"  
 android:layout\_marginStart="28dp"  
 android:layout\_below="@+id/editPass"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginTop="23dp" />  
  
 <Button  
 android:text="update"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/button3"  
 android:onClick="update"  
 android:textStyle="normal|bold"  
 android:layout\_below="@+id/editText3"  
 android:layout\_alignLeft="@+id/button4"  
 android:layout\_alignStart="@+id/button4"  
 android:layout\_marginTop="13dp" />  
  
 <EditText  
 android:id="@+id/editText6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignTop="@+id/button4"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_toStartOf="@+id/button2"  
 android:layout\_toLeftOf="@+id/button2"  
 android:ems="10"  
 android:freezesText="false"  
 android:hint="Enter Name to Delete Data"  
 android:inputType="textPersonName"  
 android:minHeight="48dp" />  
  
 <Button  
 android:text="delete"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginRight="21dp"  
 android:layout\_marginEnd="21dp"  
 android:id="@+id/button4"  
 android:onClick="delete"  
 android:textStyle="normal|bold"  
 tools:ignore="RelativeOverlap"  
 android:layout\_marginBottom="41dp"  
 android:layout\_alignParentBottom="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true" />  
  
 <EditText  
 android:id="@+id/editText3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/button"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_marginStart="7dp"  
 android:layout\_marginLeft="7dp"  
 android:layout\_marginTop="47dp"  
 android:ems="10"  
 android:hint="Current Name"  
 android:inputType="textPersonName"  
 android:minHeight="48dp"  
 android:textSize="14sp"  
 android:textStyle="bold|italic" />  
  
 <EditText  
 android:id="@+id/editPass"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/textView2"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_marginTop="11dp"  
 android:ems="10"  
 android:gravity="center\_vertical|center"  
 android:hint="Enter Password"  
 android:inputType="textPassword"  
 android:minHeight="48dp"  
 android:textAllCaps="false"  
 android:textSize="18sp"  
 android:textStyle="normal|bold" />  
  
 <EditText  
 android:id="@+id/editText5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignStart="@+id/editText3"  
 android:layout\_alignLeft="@+id/editText3"  
 android:layout\_alignTop="@+id/button3"  
 android:layout\_marginTop="32dp"  
 android:ems="10"  
 android:hint="New Name"  
 android:inputType="textPersonName"  
 android:minHeight="48dp"  
 android:textSize="14sp"  
 android:textStyle="bold|italic" />  
  
</RelativeLayout>

**MainActivity.java**

package com.example.db2;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.os.Message;  
import android.view.View;  
import android.widget.EditText;  
  
public class MainActivity extends AppCompatActivity {  
 EditText Name, Pass , updateold, updatenew, delete;  
 myDbAdapter helper;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Name= (EditText) findViewById(R.id.*editName*);  
 Pass= (EditText) findViewById(R.id.*editPass*);  
 updateold= (EditText) findViewById(R.id.*editText3*);  
 updatenew= (EditText) findViewById(R.id.*editText5*);  
 delete = (EditText) findViewById(R.id.*editText6*);  
  
 helper = new myDbAdapter(this);  
 }  
 public void addUser(View view)  
 {  
 String t1 = Name.getText().toString();  
 String t2 = Pass.getText().toString();  
 if(t1.isEmpty() || t2.isEmpty())  
 {  
 com.example.db2.Message.*message*(getApplicationContext(),"Enter Both Name and Password");  
  
 }  
 else  
 {  
 long id = helper.insertData(t1,t2);  
 if(id<=0)  
 {  
 com.example.db2.Message.*message*(getApplicationContext(),"Insertion Unsuccessful");  
 Name.setText("");  
 Pass.setText("");  
 } else  
 {  
 com.example.db2.Message.*message*(getApplicationContext(),"Insertion Successful");  
 Name.setText("");  
 Pass.setText("");  
 }  
 }  
 }  
  
 public void viewdata(View view)  
 {  
 String data = helper.getData();  
 com.example.db2.Message.*message*(this,data);  
 }  
  
 public void update( View view)  
 {  
 String u1 = updateold.getText().toString();  
 String u2 = updatenew.getText().toString();  
 if(u1.isEmpty() || u2.isEmpty())  
 {  
 com.example.db2.Message.*message*(getApplicationContext(),"Enter Data");  
 }  
 else  
 {  
 int a= helper.updateName( u1, u2);  
 if(a<=0)  
 {  
 com.example.db2. Message.*message*(getApplicationContext(),"Unsuccessful");  
 updateold.setText("");  
 updatenew.setText("");  
 } else {  
 com.example.db2. Message.*message*(getApplicationContext(),"Updated");  
 updateold.setText("");  
 updatenew.setText("");  
 }  
 }  
  
 }  
 public void delete( View view)  
 {  
 String uname = delete.getText().toString();  
 if(uname.isEmpty())  
 {  
 com.example.db2. Message.*message*(getApplicationContext(),"Enter Data");  
 }  
 else{  
 int a= helper.delete(uname);  
 if(a<=0)  
 {  
 com.example.db2. Message.*message*(getApplicationContext(),"Unsuccessful");  
 delete.setText("");  
 }  
 else  
 {  
 com.example.db2. Message.*message*(this, "DELETED");  
 delete.setText("");  
 }  
 }  
 }  
}

**myDbAdapter.java**

package com.example.db2;  
  
import android.annotation.SuppressLint;  
import android.content.ContentValues;  
import android.content.Context;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.database.sqlite.SQLiteOpenHelper;  
  
  
class myDbAdapter {  
 myDbHelper myhelper;  
 public myDbAdapter(Context context)  
 {  
 myhelper = new myDbHelper(context);  
 }  
  
 public long insertData(String name, String pass)  
 {  
 SQLiteDatabase dbb = myhelper.getWritableDatabase();  
 ContentValues contentValues = new ContentValues();  
 contentValues.put(myDbHelper.*NAME*, name);  
 contentValues.put(myDbHelper.*MyPASSWORD*, pass);  
 long id = dbb.insert(myDbHelper.*TABLE\_NAME*, null , contentValues);  
 return id;  
 }  
  
 public String getData()  
 {  
 SQLiteDatabase db = myhelper.getWritableDatabase();  
 String[] columns = {myDbHelper.*UID*,myDbHelper.*NAME*,myDbHelper.*MyPASSWORD*};  
 Cursor cursor =db.query(myDbHelper.*TABLE\_NAME*,columns,null,null,null,null,null);  
 StringBuffer buffer= new StringBuffer();  
 while (cursor.moveToNext())  
 {  
 @SuppressLint("Range") int cid =cursor.getInt(cursor.getColumnIndex(myDbHelper.*UID*));  
 @SuppressLint("Range") String name =cursor.getString(cursor.getColumnIndex(myDbHelper.*NAME*));  
 @SuppressLint("Range") String password =cursor.getString(cursor.getColumnIndex(myDbHelper.*MyPASSWORD*));  
 buffer.append(cid+ " " + name + " " + password +" \n");  
 }  
 return buffer.toString();  
 }  
  
 public int delete(String uname)  
 {  
 SQLiteDatabase db = myhelper.getWritableDatabase();  
 String[] whereArgs ={uname};  
  
 int count =db.delete(myDbHelper.*TABLE\_NAME* ,myDbHelper.*NAME*+" = ?",whereArgs);  
 return count;  
 }  
  
 public int updateName(String oldName , String newName)  
 {  
 SQLiteDatabase db = myhelper.getWritableDatabase();  
 ContentValues contentValues = new ContentValues();  
 contentValues.put(myDbHelper.*NAME*,newName);  
 String[] whereArgs= {oldName};  
 int count =db.update(myDbHelper.*TABLE\_NAME*,contentValues, myDbHelper.*NAME*+" = ?",whereArgs );  
 return count;  
 }  
  
 static class myDbHelper extends SQLiteOpenHelper  
 {  
 private static final String *DATABASE\_NAME* = "myDatabase"; *// Database Name* private static final String *TABLE\_NAME* = "myTable"; *// Table Name* private static final int *DATABASE\_Version* = 1; *// Database Version* private static final String *UID*="\_id"; *// Column I (Primary Key)* private static final String *NAME* = "Name"; *//Column II* private static final String *MyPASSWORD*= "Password"; *// Column III* private static final String *CREATE\_TABLE* = "CREATE TABLE "+*TABLE\_NAME*+  
 " ("+*UID*+" INTEGER PRIMARY KEY AUTOINCREMENT, "+*NAME*+" VARCHAR(255) ,"+ *MyPASSWORD*+" VARCHAR(225));";  
 private static final String *DROP\_TABLE* ="DROP TABLE IF EXISTS "+*TABLE\_NAME*;  
 private Context context;  
  
 public myDbHelper(Context context) {  
 super(context, *DATABASE\_NAME*, null, *DATABASE\_Version*);  
 this.context=context;  
 }  
  
 public void onCreate(SQLiteDatabase db) {  
  
 try {  
 db.execSQL(*CREATE\_TABLE*);  
 } catch (Exception e) {  
 Message.*message*(context,""+e);  
 }  
 }  
  
 @Override  
 public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {  
 try {  
 Message.*message*(context,"OnUpgrade");  
 db.execSQL(*DROP\_TABLE*);  
 onCreate(db);  
 }catch (Exception e) {  
 Message.*message*(context,""+e);  
 }  
 }  
 }  
}

**Message.java**

package com.example.db2;  
  
import android.content.Context;  
import android.widget.Toast;  
  
public class Message {  
 public static void message(Context context, String message) {  
 Toast.*makeText*(context, message, Toast.*LENGTH\_LONG*).show();  
 }  
}