**AuthActivity**

package com.example.lb1

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import android.widget.TextView
import android.widget.Toast

class AuthActivity : AppCompatActivity() {
 override fun onCreate(savedInstanceState: Bundle?) {
 super.onCreate(savedInstanceState)
 setContentView(R.layout.*activity\_auth*)

 val userLogin: EditText = findViewById(R.id.*user\_login\_auth*)
 val userPass: EditText = findViewById(R.id.*user\_pass\_auth*)
 val button: Button = findViewById(R.id.*button\_auth*)
 val linkToReg: TextView = findViewById(R.id.*link\_to\_reg*)

 linkToReg.setOnClickListener **{** val intent = Intent(this, MainActivity::class.*java*)
 startActivity(intent)
 **}** button.setOnClickListener **{** val login = userLogin.*text*.toString().*trim*()
 val pass = userPass.*text*.toString().*trim*()

 if(login == "" || pass == "")
 Toast.makeText(this, "Не все поля заполнены", Toast.*LENGTH\_LONG*).show()
 else {
 val db = DbHelper(this, null)
 val isAuth = db.getUser(login, pass)

 if(isAuth){
 Toast.makeText(this, "Пользователь $login авторизован", Toast.*LENGTH\_LONG*).show()
 userLogin.*text*.clear()
 userPass.*text*.clear()
 } else
 Toast.makeText(this, "Пользователь $login НЕ авторизован", Toast.*LENGTH\_LONG*).show()

 }
 **}** }
}

**DbHelper**

package com.example.lb1

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

class DbHelper(val context: Context, val factory: SQLiteDatabase.CursorFactory?) :
 SQLiteOpenHelper(context, "app", factory, 1){
 override fun onCreate(db: SQLiteDatabase?) {
 val query = "CREATE TABLE user (id INT PRIMARY KEY, login TEXT, email TEXT, pass TEXT)"
 db!!.execSQL(query)
 }

 override fun onUpgrade(db: SQLiteDatabase?, oldVersion: Int, newVersion: Int) {
 db!!.execSQL("DROP TABLE IF EXISTS users")
 onCreate(db)
 }

 fun addUser(user: User){
 val values = ContentValues()
 values.put("login", user.login)
 values.put("email", user.email)
 values.put("pass", user.pass)

 val db = this.*writableDatabase* db.insert("user", null, values)

 db.close()
 }

 fun getUser(login: String, pass: String): Boolean {
 val db = this.*readableDatabase* val result = db.rawQuery("SELECT \* FROM user WHERE login = '$login' AND pass = '$pass'", null)
 return result.moveToFirst()
 }

}

**MainActivity**

package com.example.lb1

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import android.widget.TextView
import android.widget.Toast

class MainActivity : AppCompatActivity() {
 override fun onCreate(savedInstanceState: Bundle?) {
 super.onCreate(savedInstanceState)
 setContentView(R.layout.*activity\_main*)

 val userLogin: EditText = findViewById(R.id.*user\_login*)
 val userEmail: EditText = findViewById(R.id.*user\_email*)
 val userPass: EditText = findViewById(R.id.*user\_pass*)
 val button: Button = findViewById(R.id.*button\_reg*)
 val linkToAuth: TextView = findViewById(R.id.*link\_to\_auth*)

 linkToAuth.setOnClickListener **{** val intent = Intent(this, AuthActivity::class.*java*)
 startActivity(intent)
 **}** button.setOnClickListener **{** val login = userLogin.*text*.toString().*trim*()
 val email = userEmail.*text*.toString().*trim*()
 val pass = userPass.*text*.toString().*trim*()

 if(login == "" || email == "" || pass == "")
 Toast.makeText(this, "Не все поля заполнены", Toast.*LENGTH\_LONG*).show()
 else {
 val user = User(login, email, pass)

 val db = DbHelper(this, null)
 db.addUser(user)
 Toast.makeText(this, "Пользователь $login добавлен", Toast.*LENGTH\_LONG*).show()

 userLogin.*text*.clear()
 userEmail.*text*.clear()
 userPass.*text*.clear()
 }
 **}** }
}

**User**

package com.example.lb1

class User (val login: String, val email: String, val pass: String){
}

**AndroidManifest**

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

 <uses-permission
 android:name="android.permission.READ\_EXTERNAL\_STORAGE"
 android:maxSdkVersion="32" />

 <application
 android:allowBackup="true"
 android:dataExtractionRules="@xml/data\_extraction\_rules"
 android:fullBackupContent="@xml/backup\_rules"
 android:icon="@mipmap/ic\_launcher"
 android:label="@string/app\_name"
 android:roundIcon="@mipmap/ic\_launcher\_round"
 android:supportsRtl="true"
 android:theme="@style/Theme.LB1"
 tools:targetApi="31">
 <activity
 android:name=".AuthActivity"
 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 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=".MainActivity">

 <LinearLayout
 android:layout\_width="match\_parent"
 android:layout\_height="match\_parent"
 android:background="#666"
 android:orientation="vertical">

 <TextView
 android:id="@+id/link\_to\_reg"
 android:layout\_width="wrap\_content"
 android:layout\_height="wrap\_content"
 android:layout\_gravity="center"
 android:layout\_marginTop="100dp"
 android:gravity="center\_horizontal"
 android:text="Создание аккаунта"
 android:textColor="#fdfdfd"
 android:textSize="35sp"
 android:textStyle="bold" />

 <EditText
 android:id="@+id/user\_login"
 android:layout\_width="240dp"
 android:layout\_height="50dp"
 android:ems="10"
 android:layout\_marginTop="20dp"
 android:layout\_gravity="center"
 android:textColor="#fdfdfd"
 android:inputType="text"
 android:textColorHint="#ada"
 android:hint="Введите логин" />

 <EditText
 android:id="@+id/user\_email"
 android:layout\_width="240dp"
 android:layout\_height="50dp"
 android:ems="10"
 android:layout\_marginTop="20dp"
 android:layout\_gravity="center"
 android:textColor="#fdfdfd"
 android:inputType="textEmailAddress"
 android:textColorHint="#ada"
 android:hint="Введите email" />

 <EditText
 android:id="@+id/user\_pass"
 android:layout\_width="240dp"
 android:layout\_height="50dp"
 android:ems="10"
 android:layout\_marginTop="20dp"
 android:layout\_gravity="center"
 android:textColor="#fdfdfd"
 android:inputType="textPassword"
 android:textColorHint="#ada"
 android:hint="Введите пароль" />

 <Button
 android:id="@+id/button\_reg"
 android:layout\_width="220dp"
 android:layout\_height="wrap\_content"
 android:fontFamily="@font/inter\_bold"
 android:text="Регистрация"
 android:textStyle="bold"
 android:textSize="16sp"
 android:textColor="#666"
 android:layout\_gravity="center"
 android:backgroundTint="#e2a600"
 android:layout\_marginTop="30dp"
 />

 <TextView
 android:id="@+id/link\_to\_auth"
 android:layout\_width="wrap\_content"
 android:layout\_height="wrap\_content"
 android:layout\_gravity="center"
 android:layout\_marginTop="50dp"
 android:fontFamily="@font/inter"
 android:gravity="center\_horizontal"
 android:text="Авторизоваться"
 android:textColor="#fdfdfd"
 android:textSize="17sp" />

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

**activity\_auth**

<?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=".AuthActivity">

 <LinearLayout
 android:layout\_width="match\_parent"
 android:layout\_height="match\_parent"
 android:background="#e2a600"
 android:orientation="vertical">

 <TextView
 android:layout\_width="wrap\_content"
 android:layout\_height="wrap\_content"
 android:layout\_gravity="center"
 android:layout\_marginTop="100dp"
 android:gravity="center\_horizontal"
 android:text="Войдите в аккаунт"
 android:textColor="#fdfdfd"
 android:textSize="35sp"
 android:textStyle="bold" />

 <EditText
 android:id="@+id/user\_login\_auth"
 android:layout\_width="240dp"
 android:layout\_height="50dp"
 android:ems="10"
 android:layout\_marginTop="20dp"
 android:layout\_gravity="center"
 android:textColor="#fdfdfd"
 android:inputType="text"
 android:textColorHint="#ada"
 android:hint="Введите логин" />

 <EditText
 android:id="@+id/user\_pass\_auth"
 android:layout\_width="240dp"
 android:layout\_height="50dp"
 android:ems="10"
 android:layout\_marginTop="20dp"
 android:layout\_gravity="center"
 android:textColor="#fdfdfd"
 android:inputType="textPassword"
 android:textColorHint="#ada"
 android:hint="Введите пароль" />

 <Button
 android:id="@+id/button\_auth"
 android:layout\_width="220dp"
 android:layout\_height="wrap\_content"
 android:fontFamily="@font/inter\_bold"
 android:text="Войти"
 android:textStyle="bold"
 android:textSize="16sp"
 android:textColor="#e2a600"
 android:layout\_gravity="center"
 android:backgroundTint="#666"
 android:layout\_marginTop="30dp"
 />

 <TextView
 android:id="@+id/link\_to\_reg"
 android:layout\_width="wrap\_content"
 android:layout\_height="wrap\_content"
 android:layout\_gravity="center"
 android:layout\_marginTop="120dp"
 android:fontFamily="@font/inter"
 android:gravity="center\_horizontal"
 android:text="Зарегистрироваться"
 android:textColor="#fdfdfd"
 android:textSize="17sp" />

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