**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>