**Practical 2**

**filename:activity\_main.xml**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="16dp">

<EditText

android:id="@+id/username"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Username" />

<EditText

android:id="@+id/password"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Password"

android:layout\_below="@id/username"

android:layout\_marginTop="10dp"

android:inputType="textPassword" />

<Button

android:id="@+id/loginButton"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Login"

android:layout\_below="@id/password"

android:layout\_marginTop="20dp" />

</RelativeLayout>

**filename:activity\_home.xml**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#A9A9A9">

<TextView

android:id="@+id/welcomeText"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="50dp"

android:layout\_centerHorizontal="true" />

</RelativeLayout>

**filename:MainActivity.java**

package com.example.loginmodule;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

EditText username, password;

Button loginButton;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

username = findViewById(R.id.username);

password = findViewById(R.id.password);

Button loginButton = findViewById(R.id.loginButton);

loginButton.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String user = username.getText().toString();

String pass = password.getText().toString();

if (user.equals("admin") && pass.equals("1234")) {

Intent intent = new Intent(MainActivity.this, HomeActivity.class);

intent.putExtra("USERNAME", user);

startActivity(intent);

} else {

Toast.makeText(MainActivity.this, "Invalid Username or Password", Toast.LENGTH\_SHORT).show();

}

}

});

}

}

**filename:HomeActivity.java**

package com.example.loginmodule;

import android.os.Bundle;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class HomeActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_home);

TextView welcomeText = findViewById(R.id.welcomeText);

String username = getIntent().getStringExtra("USERNAME");

welcomeText.setText("Welcome, " + username + "!");

}

}