**Name:** Khot Aniket Tanaji  
**Batch & Roll:** A3-63

**Experiment No.7**

**Title:** To create a login form and generate an alert box after 3 false attempts.

**MainActivity.java**package com.example.myapplication101;

import androidx.appcompat.app.AlertDialog;

import androidx.appcompat.app.AppCompatActivity;

import android.content.DialogInterface;

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 {

EditText nameOfUser,passOfUser;

Button login,reset;

int counter =3;

AlertDialog.Builder b;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

nameOfUser = findViewById(R.id.username);

passOfUser = findViewById(R.id.password);

login = findViewById(R.id.login);

reset = findViewById(R.id.reset);

b= new AlertDialog.Builder(MainActivity.this);

login.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

if (nameOfUser.getText().toString().equals("admin") && passOfUser.getText().toString().equals("admin")){

Toast.makeText(MainActivity.this, "Login Successful :)", Toast.LENGTH\_SHORT).show();

}

else{

counter--;

Toast.makeText(MainActivity.this, "Incorrect Credentials Attempts left: "+counter, Toast.LENGTH\_SHORT).show();

if(counter==0){

b.setTitle("Login Attempts Exceeds");

b.setMessage("Minimum attempts are 3!! Click on reset button to Try Again");

b.setCancelable(false);

b.setPositiveButton("OK", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialogInterface, int i) {

dialogInterface.cancel();

}

});

b.setNegativeButton("Cancel", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialogInterface, int i) {

dialogInterface.cancel();

}

});

AlertDialog alert = b.create();

alert.show();

login.setEnabled(false);

}

}

}

});

reset.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

// login.setText("");

// reset.setText("");

login.setEnabled(true);

counter=3;

}

});

}

}

**Activity\_main.xml** <?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">

<EditText

android:id="@+id/username"

android:layout\_width="150dp"

android:layout\_height="wrap\_content"

android:layout\_marginStart="60dp"

android:layout\_marginTop="144dp"

app:layout\_constraintBottom\_toTopOf="@+id/reset"

app:layout\_constraintStart\_toEndOf="@+id/textView2"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.012" />

<EditText

android:id="@+id/password"

android:layout\_width="150dp"

android:layout\_height="wrap\_content"

android:layout\_marginStart="10dp"

android:layout\_marginTop="60dp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.495"

app:layout\_constraintStart\_toEndOf="@+id/textView2"

app:layout\_constraintTop\_toBottomOf="@+id/username" />

<TextView

android:id="@+id/textView3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="72dp"

android:layout\_marginTop="264dp"

android:fontFamily="@font/acme"

android:text="Password"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<TextView

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="72dp"

android:layout\_marginTop="156dp"

android:fontFamily="@font/acme"

android:text="Username"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<Button

android:id="@+id/login"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Login"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.239"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.616" />

<Button

android:id="@+id/reset"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Reset"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.482"

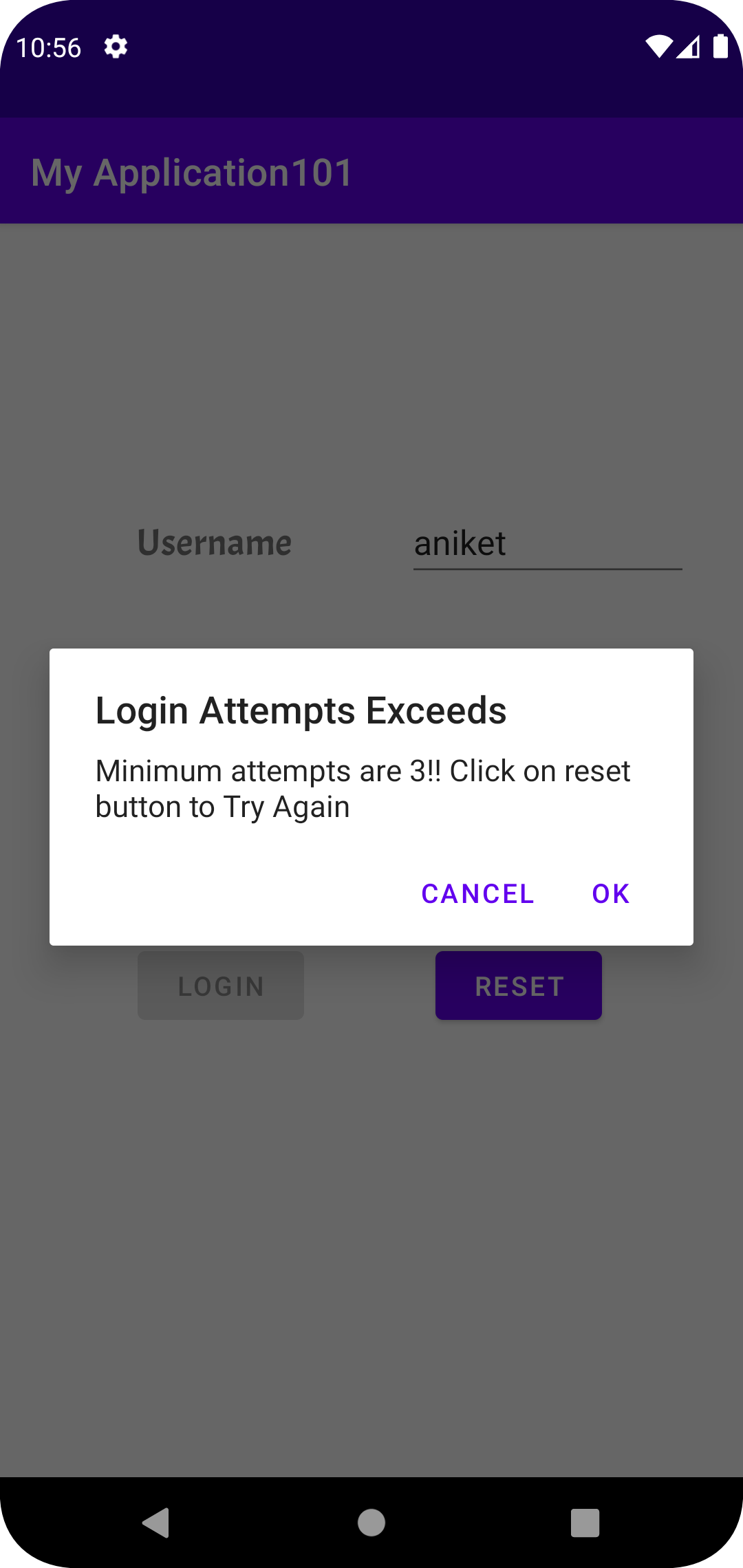
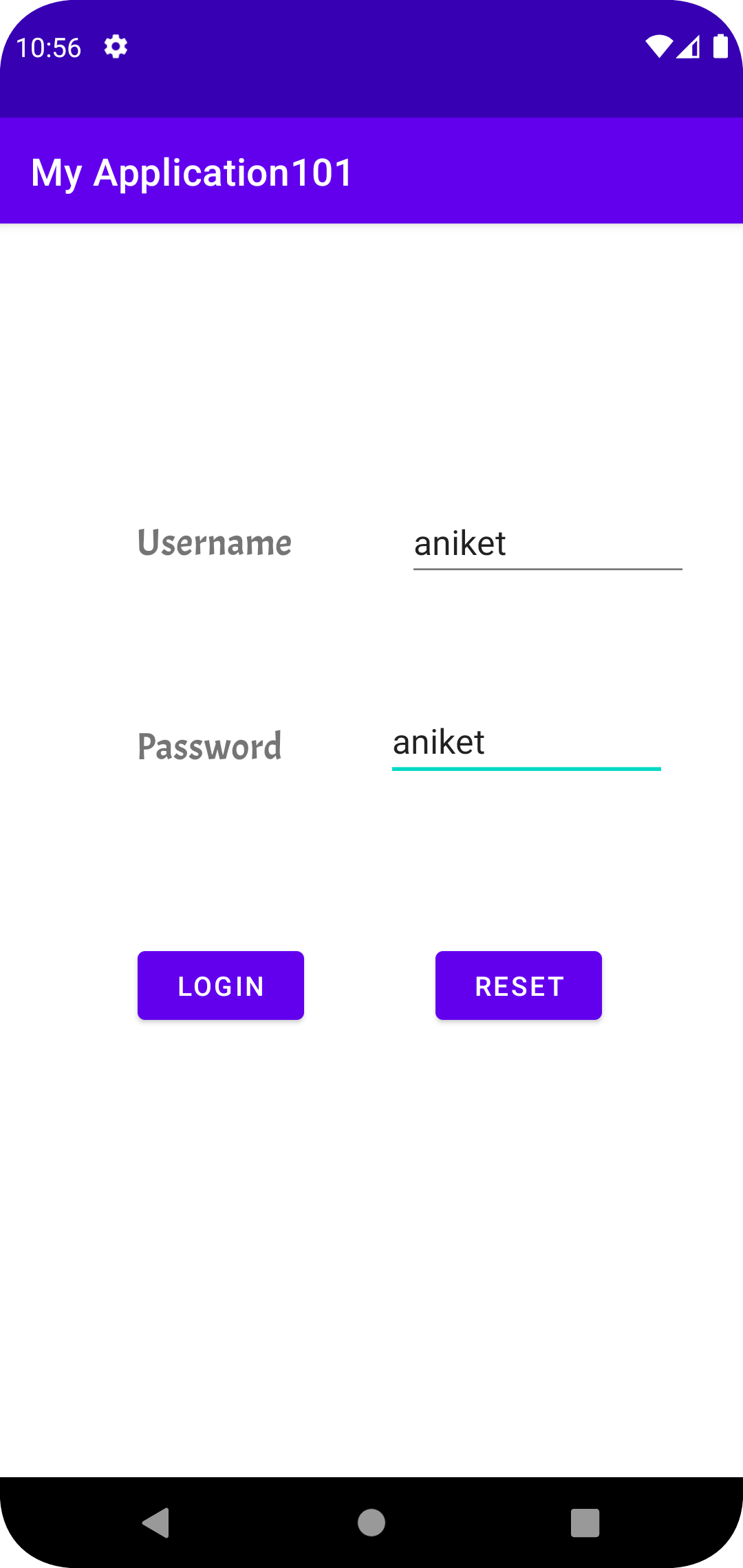
app:layout\_constraintStart\_toEndOf="@+id/login"

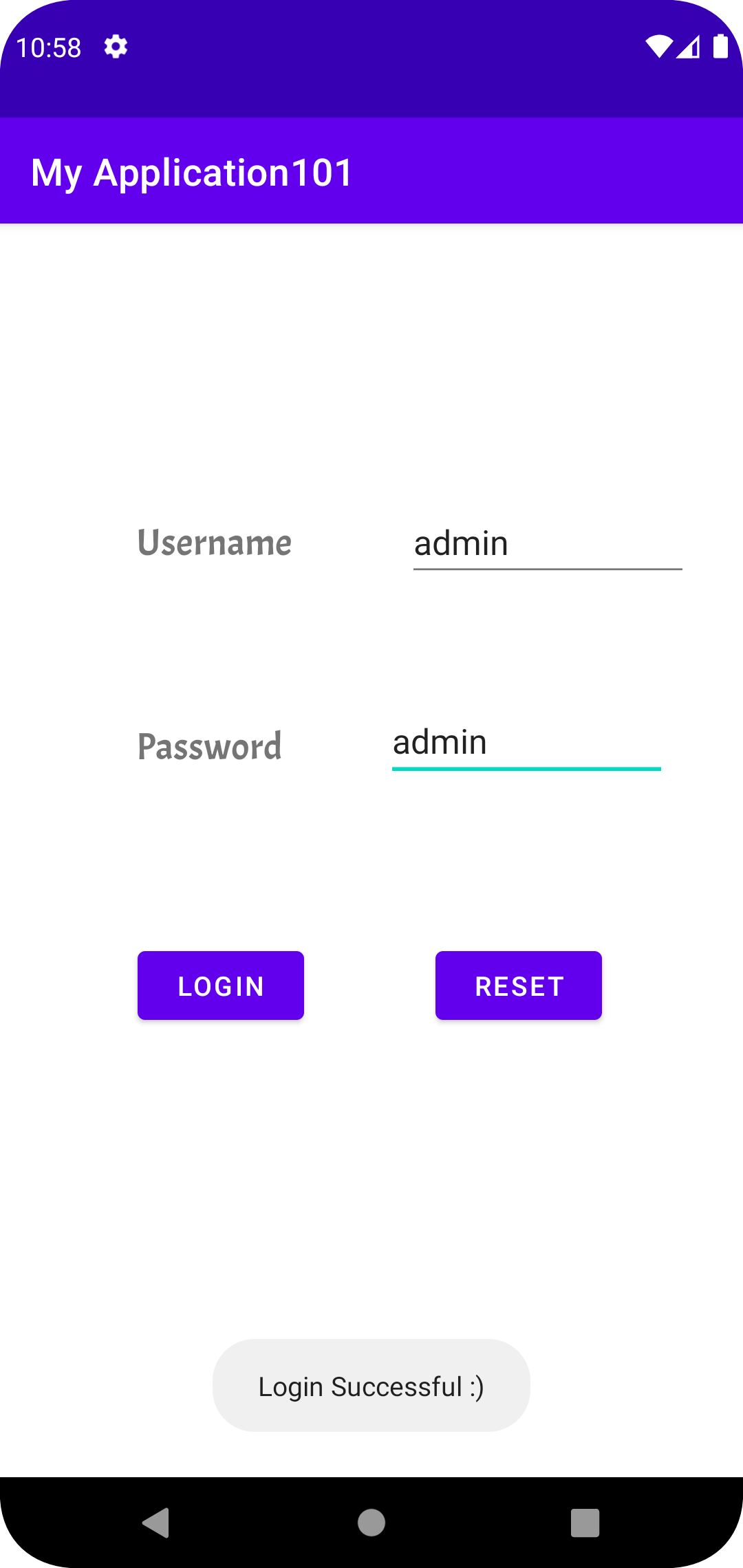
app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.616" />

</androidx.constraintlayout.widget.ConstraintLayout>

**Output:**

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