Q8 Login Activity

#MainActivity.java

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 {

    private EditText editTextUsername, editTextPassword;

    private Button btnLogin;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

        editTextUsername = findViewById(R.id.editTextUsername);

        editTextPassword = findViewById(R.id.editTextPassword);

        btnLogin = findViewById(R.id.btnLogin);

        btnLogin.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                checkLoginCredentials();

            }

        });

    }

    private void checkLoginCredentials() {

        String username = editTextUsername.getText().toString().trim();

        String password = editTextPassword.getText().toString().trim();

        // Check if the entered credentials match the hardcoded values

        if (username.equals("mca") && password.equals("android")) {

            showToast("Login successful!");

        } else {

            showToast("Invalid credentials. Please try again.");

        }

    }

    private void showToast(String message) {

        Toast.makeText(this, message, Toast.LENGTH\_SHORT).show();

    }

}

#Activity\_Main.xml

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout

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

    xmlns:tools="http://schemas.android.com/tools"

    android:layout\_width="match\_parent"

    android:layout\_height="match\_parent"

    android:padding="16dp"

    tools:context=".MainActivity">

    <EditText

        android:id="@+id/editTextUsername"

        android:layout\_width="match\_parent"

        android:layout\_height="wrap\_content"

        android:hint="Username"

        android:inputType="text" />

    <EditText

        android:id="@+id/editTextPassword"

        android:layout\_width="match\_parent"

        android:layout\_height="wrap\_content"

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

        android:layout\_marginTop="16dp"

        android:hint="Password"

        android:inputType="textPassword" />

    <Button

        android:id="@+id/btnLogin"

        android:layout\_width="match\_parent"

        android:layout\_height="wrap\_content"

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

        android:layout\_marginTop="16dp"

        android:text="Login" />

</RelativeLayout>