**Create an android app that will check whether given username and password matches with the predefined user name and password.**

* **activity\_main.xml**

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

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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"  
 android:orientation="vertical"  
 android:layout\_margin="15dp"  
 tools:context=".MainActivity">  
  
  
 <TextView  
 android:id="@+id/tvProfileDetails"  
 android:layout\_width="match\_parent"  
 android:layout\_height="35dp"  
 android:text=" " />  
  
 <TextView  
 android:id="@+id/tvProfileName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="35dp"  
 android:text="Name" />  
  
 <TextView  
 android:id="@+id/tvProfileEmail"  
 android:layout\_width="match\_parent"  
 android:layout\_height="40dp"  
 android:text="Email" />  
  
 <TextView  
 android:id="@+id/tvProfilePhone"  
 android:layout\_width="match\_parent"  
 android:layout\_height="33dp"  
 android:text="Phone" />  
  
 <TextView  
 android:id="@+id/tvProfileAddress"  
 android:layout\_width="match\_parent"  
 android:layout\_height="32dp"  
 android:text="Address" />  
  
 <Button  
 android:id="@+id/btnLogout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Logout" />  
</LinearLayout>

* **MainActivity.java**

package com.example.userform;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

TextView tvProfileDetails, tvProfileName, tvProfileEmail, tvProfilePhone, tvProfileAddress;

Button btnLogout;

@SuppressLint("MissingInflatedId")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

tvProfileDetails = findViewById(R.id.tvProfileDetails);

tvProfileName = findViewById(R.id.tvProfileName);

tvProfileEmail = findViewById(R.id.tvProfileEmail);

tvProfilePhone = findViewById(R.id.tvProfilePhone);

tvProfileAddress = findViewById(R.id.tvProfileAddress);

btnLogout = findViewById(R.id.btnLogout);

com.example.registrationapp.User user = REGISTRATION.registeredUser;

if (user != null) {

tvProfileDetails.setText("Welcome to " +user.getName() + "r village...");

tvProfileName.setText("Name: " + user.getName());

tvProfileEmail.setText("Email: " + user.getEmail());

tvProfilePhone.setText("Phone: " + user.getPhone());

tvProfileAddress.setText("Address: " + user.getAddress());

}

btnLogout.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

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

startActivity(intent);

finish(); // close profile activity

}

});

}

}

* **activity\_login.xml**

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

<LinearLayout 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:orientation="vertical"

android:layout\_margin="15dp"

tools:context=".LOGIN">

<EditText

android:id="@+id/etLoginEmail"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Email" />

<EditText

android:id="@+id/etLoginPassword"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Password"

android:inputType="textPassword" />

<Button

android:id="@+id/btnLogin"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Login" />

<Button

android:id="@+id/btnSignUp"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Sign Up" />

</LinearLayout>

* **LOGIN.java**

package com.example.userform;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class LOGIN extends AppCompatActivity {

EditText etLoginEmail, etLoginPassword;

Button btnLogin, btnSignUp;

@SuppressLint("MissingInflatedId")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_login);

etLoginEmail = findViewById(R.id.etLoginEmail);

etLoginPassword = findViewById(R.id.etLoginPassword);

btnLogin = findViewById(R.id.btnLogin);

btnSignUp = findViewById(R.id.btnSignUp);

btnLogin.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

String email = etLoginEmail.getText().toString();

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

if (REGISTRATION.registeredUser != null) {

if (email.equals(REGISTRATION.registeredUser.getEmail()) && password.equals(REGISTRATION.registeredUser.getPassword())) {

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

startActivity(intent);

} else {

Toast.makeText(LOGIN.this, "Invalid credentials", Toast.LENGTH\_SHORT).show();

}

} else {

Toast.makeText(LOGIN.this, "No registered user", Toast.LENGTH\_SHORT).show();

}

}

});

btnSignUp.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent intent = new Intent(LOGIN.this, REGISTRATION.class);

startActivity(intent);

}

});

}

}

* **activity\_registration.xml**

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

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

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

android:layout\_width="match\_parent"

android:orientation="vertical"

android:layout\_margin="15dp"

android:layout\_height="match\_parent"

tools:context=".REGISTRATION">

<EditText

android:id="@+id/etName"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Name" />

<EditText

android:id="@+id/etEmail"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Email"

android:inputType="textEmailAddress" />

<EditText

android:id="@+id/etPassword"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Password"

android:inputType="textPassword" />

<EditText

android:id="@+id/etPhone"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Phone"

android:inputType="phone" />

<EditText

android:id="@+id/etAddress"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Address" />

<Button

android:id="@+id/btnRegister"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Register" />

<Button

android:id="@+id/btnToLogin"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Go to Login" />

</LinearLayout>

* **REGISTRATION.java**

package com.example.userform;

import androidx.annotation.RequiresApi;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.content.Intent;

import android.os.Build;

import android.os.Bundle;

import android.os.Handler;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import com.example.registrationapp.User;

public class REGISTRATION extends AppCompatActivity {

EditText etName, etEmail, etPassword, etPhone, etAddress;

Button btnRegister, btnToLogin;

static com.example.registrationapp.User registeredUser;

@SuppressLint("WrongViewCast")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_registration);

etName = findViewById(R.id.etName);

etEmail = findViewById(R.id.etEmail);

etPassword = findViewById(R.id.etPassword);

etPhone = findViewById(R.id.etPhone);

etAddress = findViewById(R.id.etAddress);

btnRegister = findViewById(R.id.btnRegister);

btnToLogin = findViewById(R.id.btnToLogin);

btnRegister.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

String name = etName.getText().toString();

String email = etEmail.getText().toString();

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

String phone = etPhone.getText().toString();

String address = etAddress.getText().toString();

if (!name.isEmpty() && !email.isEmpty() && !password.isEmpty()) {

registeredUser = new User(name, email, password, phone, address);

Toast.makeText(REGISTRATION.this, "Registration Successful!", Toast.LENGTH\_SHORT).show();

} else {

Toast.makeText(REGISTRATION.this, "Please fill all fields", Toast.LENGTH\_SHORT).show();

}

}

});

btnToLogin.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

startActivity(new Intent(REGISTRATION.this, LOGIN.class));

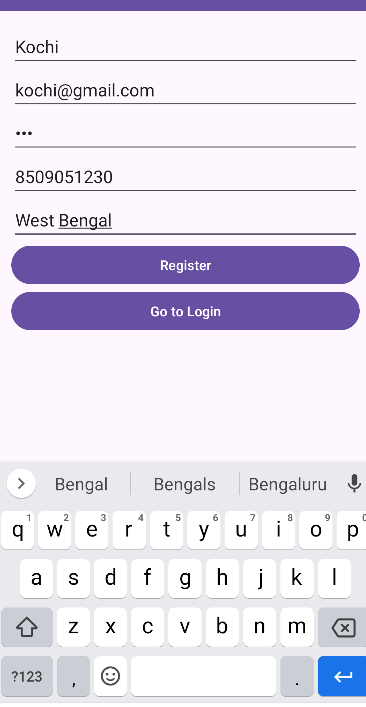
}

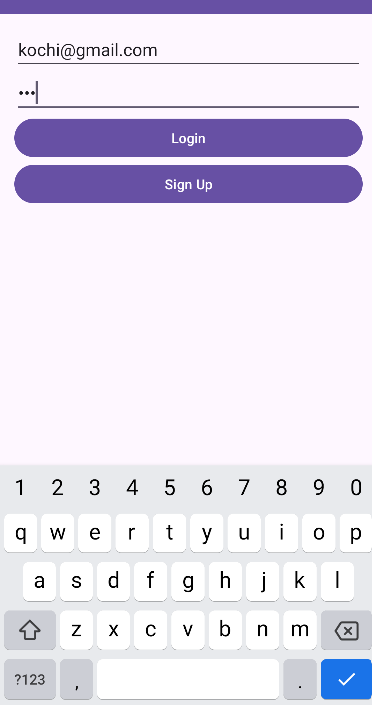
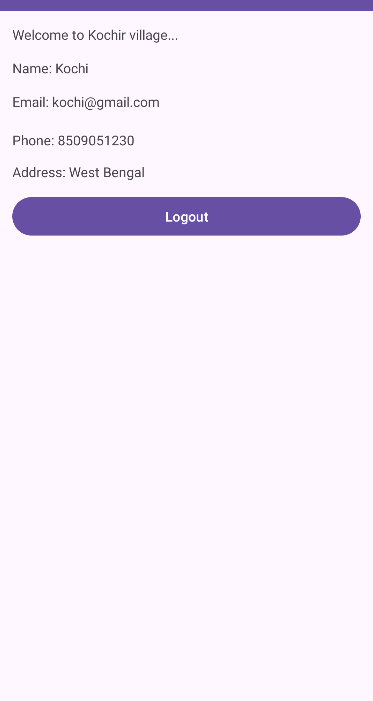
});

}

}

* **Output: -**



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