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GROUP – 2
Paper name-Android Programming Lab
Paper Code-BCAS591



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"</p>
 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"
```

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```
Brainware University
BCA-2022 SEC – G
GROUP – 2
Paper name-Android Programming Lab
Paper Code-BCAS591
```



```
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);
```

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if (user != null) {

btnLogout = findViewById(R.id.btnLogout);

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

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Brainware University
BCA-2022 SEC – G
GROUP – 2
Paper name-Android Programming Lab
Paper Code-BCAS591
```



```
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"</pre>
 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" />
```

```
Brainware University
BCA-2022 SEC – G
GROUP - 2
Paper name-Android Programming Lab
Paper Code-BCAS591
          <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);

btnLogin = findViewById(R.id.btnLogin); btnSignUp = findViewById(R.id.btnSignUp);

etLoginPassword = findViewById(R.id.etLoginPassword);



btnLogin.setOnClickListener(new View.OnClickListener() {
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Brainware University
BCA-2022 SEC – G
GROUP – 2
Paper name-Android Programming Lab
Paper Code-BCAS591
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```
@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);
      }
    });
  }
```

<u>activity_registration.xml</u>

```
<?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">
```

Brainware University
BCA-2022 SEC – G
GROUP – 2
Paper name-Android Programming Lab
Paper Code-BCAS591



```
<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
```

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android:id="@+id/btnToLogin"

```
Brainware University
BCA-2022 SEC – G
GROUP - 2
Paper name-Android Programming Lab
Paper Code-BCAS591
```



```
android:layout width="match parent"
    android:layout height="wrap content"
    android:text="Go to Login" />
</LinearLayout>
```

REGISTRATION.java

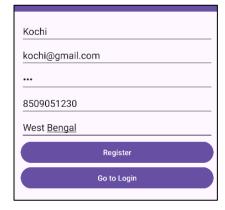
```
package com.example.userform;
import androidx.annotation.RequiresApi;
import androidx.appcompat.app.AppCompatActivity;
import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Build;
import android.os.Bundle;
import android.os.Handler;
import android.view.View;
import 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);
```

```
Brainware University
BCA-2022 SEC – G
GROUP – 2
Paper name-Android Programming Lab
Paper Code-BCAS591
```



```
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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BCA-2022 SEC – G
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