

## RWGISTRATION CODE

```
<?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:padding="16dp"
```

```
tools:context=".RegistrationActivity">
```

```
<EditText
```

```
android:id="@+id/usernameEditText"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
```

```
android:hint="Username"
```

```
android:inputType="text" />
```

```
<EditText
```

```
android:id="@+id/passwordEditText"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
```

```
android:hint="Password"
```

```
android:inputType="textPassword" />
```

```
<Button
    android:id="@+id/registerButton"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Register" />
</LinearLayout>
```

### LOGIN CODE

```
<?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:padding="16dp"
    tools:context=".LoginActivity">

    <EditText
        android:id="@+id/usernameEditText"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Username"
        android:inputType="text" />
```

```
<EditText
    android:id="@+id/passwordEditText"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Password"
    android:inputType="textPassword" />
```

```
<Button
    android:id="@+id/loginButton"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Login" />
```

```
</LinearLayout>
```

### REGISTRATION JAVA CODE

```
// RegistrationActivity.java
import android.content.Context;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import androidx.appcompat.app.AppCompatActivity;

public class RegistrationActivity extends AppCompatActivity {
```

```
private EditText usernameEditText, passwordEditText;
```

```
private Button registerButton;
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
```

```
    super.onCreate(savedInstanceState);
```

```
    setContentView(R.layout.activity_registration);
```

```
    usernameEditText = findViewById(R.id.usernameEditText);
```

```
    passwordEditText = findViewById(R.id.passwordEditText);
```

```
    registerButton = findViewById(R.id.registerButton);
```

```
    registerButton.setOnClickListener(new View.OnClickListener() {
```

```
        @Override
```

```
        public void onClick(View view) {
```

```
            String username = usernameEditText.getText().toString();
```

```
            String password = passwordEditText.getText().toString();
```

```
            // Save registration data in SharedPreferences
```

```
            SharedPreferences sharedPreferences =  
getSharedPreferences("MyPreferences", Context.MODE_PRIVATE);
```

```
            SharedPreferences.Editor editor = sharedPreferences.edit();
```

```
            editor.putString("username", username);
```

```
            editor.putString("password", password);
```

```
            editor.apply();
```

```
            // Navigate to the login activity
```

```
        startActivity(LoginActivity.class);
    }
    });
}
}
```

### LOGIN JAVA CODE

// LoginActivity.java

```
import android.content.Context;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import androidx.appcompat.app.AppCompatActivity;

public class LoginActivity extends AppCompatActivity {
    private EditText usernameEditText, passwordEditText;
    private Button loginButton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);

        usernameEditText = findViewById(R.id.usernameEditText);
```

```

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

loginButton.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        String enteredUsername = usernameEditText.getText().toString();
        String enteredPassword = passwordEditText.getText().toString();

        // Retrieve stored credentials from SharedPreferences
        SharedPreferences sharedPreferences =
getSharedPreferences("MyPreferences", Context.MODE_PRIVATE);

        String savedUsername = sharedPreferences.getString("username",
""");
        String savedPassword = sharedPreferences.getString("password",
""");

        if (enteredUsername.equals(savedUsername) &&
enteredPassword.equals(savedPassword)) {
            // Login successful
            // You can navigate to another activity or perform other actions
here
        } else {
            // Login failed
            // Handle incorrect credentials
        }
    }
});

```

}  
}