**PR-24**

**24 Create application with login module. On successful login, Change TextView "Login Successful". And on login fail, alert user using Toast "Login fail".**

**XML Code**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:gravity="center"  
 android:padding="24dp">  
  
 <!-- Logo -->  
 <ImageView  
 android:id="@+id/logoImage"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:src="@drawable/img"  
 android:layout\_marginBottom="24dp" />  
  
 <!-- Username -->  
 <EditText  
 android:id="@+id/username"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Username"  
 android:inputType="textPersonName"  
 android:layout\_marginBottom="16dp" />  
  
 <!-- Password -->  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Password"  
 android:inputType="textPassword"  
 android:layout\_marginBottom="16dp" />  
  
 <!-- Login Button -->  
 <Button  
 android:id="@+id/loginButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Login" />  
  
  
</LinearLayout>

**Java Code**

package com.example.pr24\_loginform;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.\*;  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
  
 EditText usernameEditText, passwordEditText;  
 Button loginButton;  
 TextView resultText;  
  
 // Sample credentials  
 String correctUsername = "admin";  
 String correctPassword = "1234";  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 usernameEditText = findViewById(R.id.*username*);  
 passwordEditText = findViewById(R.id.*password*);  
 loginButton = findViewById(R.id.*loginButton*);  
  
 loginButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String inputUsername = usernameEditText.getText().toString();  
 String inputPassword = passwordEditText.getText().toString();  
  
 if(inputUsername.equals(correctUsername) && inputPassword.equals(correctPassword)) {  
 Toast.*makeText*(MainActivity.this, "Login Successful", Toast.*LENGTH\_SHORT*).show();  
 } else {  
 Toast.*makeText*(MainActivity.this, "Login fail", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
 }  
}