**PR-10**

**10 Develop a program to create a login form for student registration system**

**XML Code**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:id="@+id/layout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:padding="20dp"  
 android:gravity="center">  
  
 <TextView  
 android:id="@+id/appTitle"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Student Registration Login"  
 android:textSize="22sp"  
 android:textStyle="bold"  
 android:layout\_marginBottom="20dp" />  
  
 <EditText  
 android:id="@+id/fullName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Full Name"  
 android:layout\_marginBottom="10dp"/>  
  
 <EditText  
 android:id="@+id/email"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Email"  
 android:inputType="textEmailAddress"  
 android:layout\_marginBottom="10dp"/>  
  
 <EditText  
 android:id="@+id/mobile"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Mobile Number"  
 android:inputType="phone"  
 android:layout\_marginBottom="10dp"/>  
  
 <EditText  
 android:id="@+id/course"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Course"  
 android:layout\_marginBottom="10dp"/>  
  
 <EditText  
 android:id="@+id/username"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Username"  
 android:layout\_marginBottom="10dp"/>  
  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Password"  
 android:inputType="textPassword"  
 android:layout\_marginBottom="20dp"/>  
  
 <Button  
 android:id="@+id/loginButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Register/Login"/>  
  
</LinearLayout>

**Java Code**

package com.example.studentlogin;

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 {

EditText fullName, email, mobile, course, username, password;

Button loginButton;

// Predefined credentials

String correctUsername = "student123";

String correctPassword = "pass123";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

fullName = findViewById(R.id.fullName);

email = findViewById(R.id.email);

mobile = findViewById(R.id.mobile);

course = findViewById(R.id.course);

username = findViewById(R.id.username);

password = findViewById(R.id.password);

loginButton = findViewById(R.id.loginButton);

loginButton.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

String name = fullName.getText().toString().trim();

String mail = email.getText().toString().trim();

String phone = mobile.getText().toString().trim();

String courseName = course.getText().toString().trim();

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

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

if (name.isEmpty() || mail.isEmpty() || phone.isEmpty() || courseName.isEmpty()

|| user.isEmpty() || pass.isEmpty()) {

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

} else if (user.equals(correctUsername) && pass.equals(correctPassword)) {

String msg = " Login Successful\n" +

"Name: " + name + "\n" +

"Email: " + mail + "\n" +

"Mobile: " + phone + "\n" +

"Course: " + courseName;

Toast.makeText(MainActivity.this, msg, Toast.LENGTH\_LONG).show();

} else {

Toast.makeText(MainActivity.this, " Login Failed: Invalid Username/Password", Toast.LENGTH\_SHORT).show();

}

}

});

}

}