**PROGRAM 5 - REGISTRATION USING INTENTS AND SHARED PREFERENCES**

**activity\_main.xml**

<?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:padding="16dp">  
  
 <EditText  
 android:id="@+id/editTextName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter your name"  
 android:minHeight="48dp" />  
  
 <EditText  
 android:id="@+id/editTextEmail"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter your email"  
 android:inputType="textEmailAddress"  
 android:minHeight="48dp" />  
  
 <Button  
 android:id="@+id/buttonRegister"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Register" />  
  
</LinearLayout>

**MainActivity.java**

package com.example.intentsandsharedpreferences;  
import android.content.Intent;  
import android.content.SharedPreferences;  
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 {  
  
 private EditText editTextName, editTextEmail;  
 private Button buttonRegister;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 editTextName = findViewById(R.id.*editTextName*);  
 editTextEmail = findViewById(R.id.*editTextEmail*);  
 buttonRegister = findViewById(R.id.*buttonRegister*);  
  
 buttonRegister.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 registerUser();  
 }  
 });  
 }  
  
 private void registerUser() {  
 String name = editTextName.getText().toString().trim();  
 String email = editTextEmail.getText().toString().trim();  
  
 if (name.isEmpty() || email.isEmpty()) {  
 Toast.*makeText*(this, "Please fill all fields", Toast.*LENGTH\_SHORT*).show();  
 return;  
 }  
  
 // Store registration details in SharedPreferences  
 SharedPreferences sharedPreferences = getSharedPreferences("UserPrefs", *MODE\_PRIVATE*);  
 SharedPreferences.Editor editor = sharedPreferences.edit();  
 editor.putString("userName", name);  
 editor.putString("userEmail", email);  
 editor.apply();  
  
 // Navigate to another activity  
 Intent intent = new Intent(MainActivity.this, WelcomeActivity.class);  
 startActivity(intent);  
 finish(); // Finish this activity  
 }  
}

**activity\_welcome.xml**

<?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:padding="16dp">  
  
 <TextView  
 android:id="@+id/textViewWelcome"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="18sp" />  
  
</LinearLayout>

**WelcomeActivity.Java**

package com.example.intentsandsharedpreferences;  
import android.content.SharedPreferences;  
import android.os.Bundle;  
import android.widget.TextView;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class WelcomeActivity extends AppCompatActivity {  
  
 private TextView textViewWelcome;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_welcome*);  
  
 textViewWelcome = findViewById(R.id.*textViewWelcome*);  
  
 // Retrieve registration details from SharedPreferences  
 SharedPreferences sharedPreferences = getSharedPreferences("UserPrefs", *MODE\_PRIVATE*);  
 String userName = sharedPreferences.getString("userName", "User");  
 String userEmail = sharedPreferences.getString("userEmail", "No email");  
  
 textViewWelcome.setText("Welcome, " + userName + "!\nYour email: " + userEmail);  
 }  
}

**OUTPUT**



