## 📁 Contents of ./

📝 Java File: ./java/FragmentOne.java

package com.example.tp4\_ex1;  
  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
import androidx.fragment.app.Fragment;  
  
public class FragmentOne extends Fragment {  
 EditText etFirstName, etLastName;  
  
 @Override  
 public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState) {  
 View view = inflater.inflate(R.layout.fragment\_one, container, false);  
 etFirstName = view.findViewById(R.id.etFirstName);  
 etLastName = view.findViewById(R.id.etLastName);  
 Button btnNext = view.findViewById(R.id.btnNext1);  
  
 btnNext.setOnClickListener(v -> {  
 MainActivity activity = (MainActivity) getActivity();  
 if (activity != null) {  
 activity.firstName = etFirstName.getText().toString().trim();  
 activity.lastName = etLastName.getText().toString().trim();  
 if (activity.firstName.isEmpty() || activity.lastName.isEmpty()) {  
 Toast.makeText(getActivity(), "All fields are required", Toast.LENGTH\_SHORT).show();  
 return;  
 }  
 activity.showFragmentTwo();  
 }  
 });  
  
 return view;  
 }  
}

📝 Java File: ./java/FragmentThree.java

package com.example.tp4\_ex1;  
  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.TextView;  
import androidx.fragment.app.Fragment;  
  
public class FragmentThree extends Fragment {  
 TextView tvResult;  
  
 @Override  
 public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState) {  
 View view = inflater.inflate(R.layout.fragment\_three, container, false);  
 tvResult = view.findViewById(R.id.tvResult);  
 MainActivity activity = (MainActivity) getActivity();  
  
 if (activity != null) {  
 if (activity.showLevel) {  
 tvResult.setText("Your level is: " + activity.level);  
 } else {  
 tvResult.setText("We can't show your level");  
 }  
 }  
  
 return view;  
 }  
}

📝 Java File: ./java/FragmentTwo.java

package com.example.tp4\_ex1;  
  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.\*;  
import androidx.fragment.app.Fragment;  
  
public class FragmentTwo extends Fragment {  
 RadioButton rbBeginner, rbExpert;  
 CheckBox cbShowLevel;  
 TextView tvDisplayName;  
  
 @Override  
 public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState) {  
 View view = inflater.inflate(R.layout.fragment\_two, container, false);  
  
 rbBeginner = view.findViewById(R.id.rbBeginner);  
 rbExpert = view.findViewById(R.id.rbExpert);  
 cbShowLevel = view.findViewById(R.id.cbShowLevel);  
 tvDisplayName = view.findViewById(R.id.tvDisplayName);  
 Button btnNext = view.findViewById(R.id.btnNext2);  
  
 MainActivity activity = (MainActivity) getActivity();  
 if (activity != null) {  
 tvDisplayName.setText(activity.firstName + " " + activity.lastName);  
 }  
  
 btnNext.setOnClickListener(v -> {  
 if (activity != null) {  
 activity.showLevel = cbShowLevel.isChecked();  
 if (rbBeginner.isChecked())  
 activity.level = "Beginner";  
 else if (rbExpert.isChecked())  
 activity.level = "Expert";  
 activity.showFragmentThree();  
 }  
 });  
  
 return view;  
 }  
}

📝 Java File: ./java/MainActivity.java

package com.example.tp4\_ex1;  
  
import android.os.Bundle;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.fragment.app.FragmentTransaction;  
  
public class MainActivity extends AppCompatActivity {  
 String firstName = "";  
 String lastName = "";  
 String level = "";  
 boolean showLevel = false;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
 showFragmentOne();  
 }  
  
 public void showFragmentOne() {  
 FragmentTransaction ft = getSupportFragmentManager().beginTransaction();  
 ft.replace(R.id.frame1, new FragmentOne());  
 ft.commit();  
 }  
  
 public void showFragmentTwo() {  
 FragmentTransaction ft = getSupportFragmentManager().beginTransaction();  
 ft.replace(R.id.frame2, new FragmentTwo());  
 ft.commit();  
 }  
  
 public void showFragmentThree() {  
 FragmentTransaction ft = getSupportFragmentManager().beginTransaction();  
 ft.replace(R.id.frame3, new FragmentThree());  
 ft.commit();  
 }  
}

📋 XML File: ./xml/activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" android:orientation="horizontal" android:layout\_width="match\_parent" android:layout\_height="match\_parent">  
  
 <FrameLayout android:id="@+id/frame1" android:layout\_width="0dp" android:layout\_weight="1" android:layout\_height="match\_parent" />  
  
 <FrameLayout android:id="@+id/frame2" android:layout\_width="0dp" android:layout\_weight="1" android:layout\_height="match\_parent" />  
  
 <FrameLayout android:id="@+id/frame3" android:layout\_width="0dp" android:layout\_weight="1" android:layout\_height="match\_parent" />  
</LinearLayout>

📋 XML File: ./xml/fragment\_one.xml

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" android:orientation="vertical" android:padding="16dp" android:layout\_width="match\_parent" android:layout\_height="match\_parent">  
  
 <TextView android:text="Enter your Name" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" />  
 <EditText android:id="@+id/etFirstName" android:hint="First Name" android:layout\_width="match\_parent" android:layout\_height="wrap\_content"/>  
 <EditText android:id="@+id/etLastName" android:hint="Last Name" android:layout\_width="match\_parent" android:layout\_height="wrap\_content"/>  
 <Button android:id="@+id/btnNext1" android:text="Next" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"/>  
</LinearLayout>

📋 XML File: ./xml/fragment\_three.xml

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" android:orientation="vertical" android:padding="16dp" android:layout\_width="match\_parent" android:layout\_height="match\_parent">  
  
 <TextView android:id="@+id/tvResult" android:text="Result will show here" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"/>  
</LinearLayout>

📋 XML File: ./xml/fragment\_two.xml

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" android:orientation="vertical" android:padding="16dp" android:layout\_width="match\_parent" android:layout\_height="match\_parent">  
  
 <TextView android:id="@+id/tvDisplayName" android:text="Name" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"/>  
 <TextView android:text="Select your level" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" />  
 <RadioGroup android:orientation="horizontal" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content">  
 <RadioButton android:id="@+id/rbBeginner" android:text="Beginner" />  
 <RadioButton android:id="@+id/rbExpert" android:text="Expert" />  
 </RadioGroup>  
 <CheckBox android:id="@+id/cbShowLevel" android:text="Show my Level" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" />  
 <Button android:id="@+id/btnNext2" android:text="Next" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"/>  
</LinearLayout>