MainActivity.java

**package** com.example.twofragtwoactivities;

**import** androidx.appcompat.app.AppCompatActivity;

**import** androidx.fragment.app.FragmentManager;

**import** androidx.fragment.app.FragmentTransaction;

**import** android.os.Bundle;

**public class** MainActivity **extends** AppCompatActivity **implements** AFragment.FragmentAListener, BFragment.FragmentBListener {

@Override

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

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

AFragment aFragment = **new** AFragment();

FragmentManager fm = getSupportFragmentManager();

FragmentTransaction ft = fm.beginTransaction();

ft.add(R.id.***frame1***, aFragment);

ft.commit();

}

@Override

**public void** sendData(CharSequence data) {

}

@Override

**public void** sendDataB(CharSequence data) {

}

}

MainActivity2.java

**package** com.example.twofragtwoactivities;

**import** androidx.appcompat.app.AppCompatActivity;

**import** androidx.fragment.app.FragmentManager;

**import** androidx.fragment.app.FragmentTransaction;

**import** android.content.Intent;

**import** android.os.Bundle;

**import** android.widget.TextView;

**public class** MainActivity2 **extends** AppCompatActivity **implements** AFragment.FragmentAListener, BFragment.FragmentBListener {

TextView **textView**;

CharSequence **dataReceived**;

@Override

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

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main2***);

Intent intent = getIntent();

String data = intent.getStringExtra(**"dataFromFragment1"**);

**textView** = findViewById(R.id.***tv***);

**textView**.setText(**"The data received from the fragment is : "** + data);

*//we will use bundle to send this data into bfragment*

BFragment bFragment = **new** BFragment();

Bundle bundle = **new** Bundle();

bundle.putString(**"datakey"**, data);

bFragment.setArguments(bundle);

FragmentManager fm2 = getSupportFragmentManager();

FragmentTransaction ft2 = fm2.beginTransaction();

ft2.add(R.id.***frame2***, bFragment);

ft2.commit();

}

@Override

**public void** sendData(CharSequence data) {

**dataReceived** = data;

}

@Override

**public void** sendDataB(CharSequence data) {

**dataReceived** = data;

}

}

Activity\_main.xml

*<?***xml version="1.0" encoding="utf-8"***?>*

<**RelativeLayout 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"**

**tools:context=".MainActivity"**>

<**TextView**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:text="Welcome to activity 1"** />

<**FrameLayout**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/frame1"**/>

</**RelativeLayout**>

Activity\_main2.xml

*<?***xml version="1.0" encoding="utf-8"***?>*

<**RelativeLayout 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"**

**tools:context=".MainActivity2"**>

<**TextView**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/tv"**

**android:text="Welcome to activity 2"**

/>

<**FrameLayout**

**android:layout\_below="@+id/tv"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/frame2"**/>

</**RelativeLayout**>

AFragment.java

**package** com.example.twofragtwoactivities;

**import** android.content.Context;

**import** android.content.Intent;

**import** android.os.Bundle;

**import** androidx.annotation.NonNull;

**import** androidx.fragment.app.Fragment;

**import** android.view.LayoutInflater;

**import** android.view.View;

**import** android.view.ViewGroup;

**import** android.widget.Button;

**import** android.widget.EditText;

**public class** AFragment **extends** Fragment {

Button **button**;

EditText **editText**;

CharSequence **data**;

**public interface** FragmentAListener{

**void** sendData(CharSequence data);

}

FragmentAListener **Listener**;

**public** AFragment() {

*// Required empty public constructor*

}

**public** View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

*// Inflate the layout for this fragment*

View view = inflater.inflate(R.layout.***fragment\_a***, container, **false**);

**button** = view.findViewById(R.id.***btnFrag1***);

**editText** = view.findViewById(R.id.***textFrag1***);

**button**.setOnClickListener(**new** View.OnClickListener(){

@Override

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

**data** = **editText**.getText();

**data** = **data**.toString();

Intent i = **new** Intent(getActivity(), MainActivity2.**class**);

i.putExtra(**"dataFromFragment1"**, **data**);

startActivity(i);

}

});

**return** view;

}

@Override

**public void** onAttach(@NonNull Context context) {

**super**.onAttach(context);

**if**(context **instanceof** FragmentAListener){

**Listener** = (FragmentAListener) context;

}

**else**{

**throw new** RuntimeException(context.toString() + **" implement interface in your activity"**);

}

}

@Override

**public void** onDetach() {

**super**.onDetach();

**Listener** = **null**;

}

**public void** updateEditText(CharSequence data){

**editText**.setText(data);

}

}

Fragment\_a.xml

*<?***xml version="1.0" encoding="utf-8"***?>*

<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"**

**xmlns:tools="http://schemas.android.com/tools"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**android:orientation="vertical"**

**tools:context=".AFragment"**>

<**EditText**

**android:layout\_marginTop="30dp"**

**android:id="@+id/textFrag1"**

**android:hint="Enter the text in fragment 1"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:text="This is fragment 1 in activity 1, edit text here"** />

<**Button**

**android:layout\_below="@+id/textFrag1"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:text="Submit"**

**android:id="@+id/btnFrag1"**/>

</**RelativeLayout**>

BFragment.java

**package** com.example.twofragtwoactivities;

**import** android.content.Context;

**import** android.os.Bundle;

**import** androidx.annotation.NonNull;

**import** androidx.fragment.app.Fragment;

**import** android.view.LayoutInflater;

**import** android.view.View;

**import** android.view.ViewGroup;

**import** android.widget.EditText;

**import** android.widget.TextView;

**import** org.w3c.dom.Text;

**public class** BFragment **extends** Fragment {

EditText **editText**;

FragmentBListener **listenerB**;

**public interface** FragmentBListener{

**void** sendDataB(CharSequence data);

}

**public** BFragment() {

*// Required empty public constructor*

}

**public** View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

*// Inflate the layout for this fragment*

View view = inflater.inflate(R.layout.***fragment\_b***, container, **false**);

**editText** = view.findViewById(R.id.***textFrag2***);

String data = getArguments().getString(**"datakey"**);

**editText**.setText(data);

**return** view;

}

@Override

**public void** onAttach(@NonNull Context context) {

**super**.onAttach(context);

**if**(context **instanceof** FragmentBListener){

**listenerB** = (FragmentBListener) context;

}

**else**{

**throw new** RuntimeException(context.toString());

}

}

@Override

**public void** onDetach() {

**super**.onDetach();

**listenerB** = **null**;

}

**public void** updateEditText(CharSequence data){

**editText**.setText(data);

}

}

Fragment\_b.xml

*<?***xml version="1.0" encoding="utf-8"***?>*

<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"**

**xmlns:tools="http://schemas.android.com/tools"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**tools:context=".BFragment"**>

*<!--* ***TODO: Update blank fragment layout*** *-->*

<**EditText**

**android:id="@+id/textFrag2"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**android:text="@string/hello\_blank\_fragment"** />

</**RelativeLayout**>