MainActivity.java

**package** com.example.fragmenttofragmentnew;

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

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

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

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.EditText;

**import** android.widget.FrameLayout;

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

EditText **editText**, **editText2**;

Button **button**, **button2**;

FrameLayout **frameLayout**;

CharSequence **datareceived**;

@Override

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

**super**.onCreate(savedInstanceState);

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

**editText** = findViewById(R.id.***textActivity***);

**button** = findViewById(R.id.***btnActivity***);

**button2** = findViewById(R.id.***btnActivity2***);

AFragment afragment = **new** AFragment();

BFragment bfragment = **new** BFragment();

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

@Override

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

**editText2** = findViewById(R.id.***textToBesentToFragment***);

String data = **editText2**.getText().toString();

afragment.updateEditText(data);

}

});

**button2**.setOnClickListener(**new** View.OnClickListener() {

@Override

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

**editText2** = findViewById(R.id.***textToBesentToFragment***);

String data = **editText2**.getText().toString();

bfragment.updateEditText(data);

}

});

FragmentManager fm = getSupportFragmentManager();

FragmentTransaction ft = fm.beginTransaction();

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

ft.commit();

FragmentManager fm2 = getSupportFragmentManager();

FragmentTransaction ft2 = fm.beginTransaction();

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

ft2.commit();

}

@Override

**public void** onInputASent(CharSequence input) {

*//input is nothing but the data that we received from the fragment*

**datareceived** = input;

**editText** = findViewById(R.id.***textActivity***);

**editText**.setText(**datareceived**);

}

@Override

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

**datareceived** = data;

**editText** = findViewById(R.id.***textActivity***);

**editText**.setText(**datareceived**);

}

}

Activity\_main.xml

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

<**LinearLayout 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"**

**android:orientation="vertical"**

**android:layout\_centerHorizontal="true"**

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

<**EditText**

**android:layout\_gravity="center"**

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

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

**android:text="This is text in activity"**

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

<**EditText**

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

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

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

**android:hint = "Enter the text to be sent to fragment"**/>

<**Button**

**android:gravity="center"**

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

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

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

**android:text="submit to frag1"**/>

<**Button**

**android:gravity="center"**

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

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

**android:id="@+id/btnActivity2"**

**android:text="submit to frag2"**/>

<**FrameLayout**

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

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

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

<**FrameLayout**

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

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

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

</**LinearLayout**>

AFragment.java

**package** com.example.fragmenttofragmentnew;

**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.Button;

**import** android.widget.EditText;

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

**public** FragmentAListener **listener**;

EditText **editText**;

**public interface** FragmentAListener{

**void** onInputASent(CharSequence input);

}

**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 btn = view.findViewById(R.id.***btnFragment***);

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

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

@Override

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

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

*//now send this data to interface*

**listener**.onInputASent(data);

}

});

**return** view;

}

@Override

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

**super**.onAttach(context);

**if**(context **instanceof** FragmentAListener){ *//to check if our activity implements our interface*

**listener** = (FragmentAListener) context;

}

**else**{

**throw new** RuntimeException(context.toString() + **" must implement FragmentAListener"**);

}

}

@Override

**public void** onDetach() {

**super**.onDetach();

**listener** = **null**; *//we don't need reference to activity anymore*

}

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

**editText**.setText(newText);

}

}

Fragment\_a.xml

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

<**LinearLayout 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\_width="wrap\_content"**

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

**android:hint="Enter something in this fragment"**

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

<**Button**

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

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

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

**android:text="Submit"**/>

</**LinearLayout**>

BFragment.java

**package** com.example.fragmenttofragmentnew;

**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.Button;

**import** android.widget.EditText;

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

FragmentBListener **listener**;

EditText **editText**;

**public interface** FragmentBListener{

**void** onInputBSent(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**);

Button btn = view.findViewById(R.id.***btnFragment2***);

**editText** = view.findViewById(R.id.***textFragment2***);

**return** view;

}

@Override

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

**super**.onAttach(context);

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

**listener** = (FragmentBListener) context;

}

}

@Override

**public void** onDetach() {

**super**.onDetach();

**listener** = **null**;

}

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

**editText**.setText(newText);

}

}

Fragment\_b.xml

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

<**LinearLayout 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"**

**android:orientation="vertical"**>

<**EditText**

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

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

**android:hint="This is some text in the second fragment"**

**android:id="@+id/textFragment2"**

/>

<**Button**

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

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

**android:text="Submit"**

**android:id="@+id/btnFragment2"**/>

</**LinearLayout**>