<?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">

<FrameLayout

android:id="@+id/frameLayout"

android:layout\_width="match\_parent"

android:layout\_height="600dp"/>

<Button

android:id="@+id/fragment1btn"

android:layout\_width="150dp"

android:layout\_height="60dp"

android:backgroundTint="@color/black"

android:text="Fragment 1"

android:layout\_alignParentBottom="true"

android:layout\_marginBottom="50dp"

android:layout\_marginStart="50dp"/>

<Button

android:id="@+id/fragment2btn"

android:layout\_width="150dp"

android:layout\_height="60dp"

android:backgroundTint="@color/black"

android:text="Fragment 2"

android:layout\_alignParentBottom="true"

android:layout\_alignParentRight="true"

android:layout\_marginBottom="50dp"

android:layout\_marginEnd="50dp"/>

</RelativeLayout>

<?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:background="@color/fragment1color"

tools:context=".fragment1">

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

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textStyle="bold"

android:text="Fragment 1"

android:textSize="30dp"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="50dp"

android:textColor="@color/black"/>

<TextView

android:id="@+id/dataFrom2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text=""

android:layout\_centerHorizontal="true"

android:layout\_marginTop="150dp"

android:textColor="@color/black"

android:textSize="26dp"/>

<EditText

android:id="@+id/fragment1Data"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginHorizontal="26dp"

android:layout\_marginTop="300dp"

android:ems="10"

android:hint="Data to Fragment 2"

android:inputType="textPersonName" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/sendData1btn"

android:text="Send Data to Fragment 2"

android:backgroundTint="@color/black"

android:layout\_centerHorizontal="true"

android:layout\_below="@id/fragment1Data"

android:layout\_marginTop="20dp"/>

</RelativeLayout>

<?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:background="@color/fragment2color"

tools:context=".fragment2">

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

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Fragment 2"

android:textSize="30dp"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="50dp"

android:textStyle="bold"

android:textColor="@color/black"/>

<TextView

android:id="@+id/dataFrom1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text=""

android:layout\_centerHorizontal="true"

android:layout\_marginTop="150dp"

android:textColor="@color/black"

android:textSize="26dp"/>

<EditText

android:id="@+id/fragment2Data"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="300dp"

android:layout\_marginHorizontal="26dp"

android:ems="10"

android:inputType="textPersonName"

android:hint="Data to Fragment 1" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/sendData2btn"

android:text="Send Data to Fragment 1"

android:backgroundTint="@color/black"

android:layout\_centerHorizontal="true"

android:layout\_below="@id/fragment2Data"

android:layout\_marginTop="20dp"/>

</RelativeLayout>

package com.example.fragments;

import android.app.FragmentManager;

import android.os.Bundle;

import androidx.annotation.NonNull;

import androidx.fragment.app.Fragment;

import androidx.fragment.app.FragmentResultListener;

import android.util.Log;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.Toast;

public class fragment1 extends Fragment {

View view;

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

view = inflater.inflate(R.layout.fragment\_fragment1, container, false);

Button button = view.findViewById(R.id.sendData1btn);

getParentFragmentManager().setFragmentResultListener("dataFrom2", this, new FragmentResultListener() {

@Override

public void onFragmentResult(@NonNull String requestKey, @NonNull Bundle result) {

String data = result.getString("df2");

TextView textView = view.findViewById(R.id.dataFrom2);

textView.setText(data);

}

});

button.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

EditText editText = view.findViewById(R.id.fragment1Data);

Bundle result = new Bundle();

result.putString("df1",editText.getText().toString());

getParentFragmentManager().setFragmentResult("dataFrom1",result);

editText.setText("");

}

});

return view;

}

}

package com.example.fragments;

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.TextView;

import androidx.annotation.NonNull;

import androidx.fragment.app.Fragment;

import androidx.fragment.app.FragmentResultListener;

public class fragment2 extends Fragment {

View view;

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

view = inflater.inflate(R.layout.fragment\_fragment2, container, false);

Button button = view.findViewById(R.id.sendData2btn);

button.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

EditText editText = view.findViewById(R.id.fragment2Data);

Bundle result = new Bundle();

result.putString("df2",editText.getText().toString());

getParentFragmentManager().setFragmentResult("dataFrom2",result);

editText.setText("");

}

});

getParentFragmentManager().setFragmentResultListener("dataFrom1", this, new FragmentResultListener() {

@Override

public void onFragmentResult(@NonNull String requestKey, @NonNull Bundle result) {

String data = result.getString("df1");

TextView textView = view.findViewById(R.id.dataFrom1);

textView.setText(data);

}

});

return view;

}

}

package com.example.fragments;

import androidx.appcompat.app.AppCompatActivity;

import androidx.fragment.app.Fragment;

import androidx.fragment.app.FragmentManager;

import androidx.fragment.app.FragmentTransaction;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

public class MainActivity extends AppCompatActivity {

Button firstFragmentBtn, secondFragmentBtn;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

firstFragmentBtn = findViewById(R.id.fragment1btn);

secondFragmentBtn = findViewById(R.id.fragment2btn);

firstFragmentBtn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

replaceFragment(new fragment1());

}

});

secondFragmentBtn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

replaceFragment(new fragment2());

}

});

}

private void replaceFragment(Fragment fragment) {

FragmentManager fragmentManager = getSupportFragmentManager();

FragmentTransaction fragmentTransaction = fragmentManager.beginTransaction();

fragmentTransaction.replace(R.id.frameLayout,fragment);

fragmentTransaction.commit();

}

}