Q13 Two Activities

#First Fragment.java

import android.os.Bundle

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import androidx.annotation.NonNull;

import androidx.fragment.app.Fragment;

import androidx.navigation.fragment.NavHostFragment;

import com.abhishek.twoactivities.databinding.FragmentFirstBinding;

public class FirstFragment extends Fragment {

    private FragmentFirstBinding binding;

    @Override

    public View onCreateView(

            LayoutInflater inflater, ViewGroup container,

            Bundle savedInstanceState

    ) {

        binding = FragmentFirstBinding.inflate(inflater, container, false);

        return binding.getRoot();

    }

    public void onViewCreated(@NonNull View view, Bundle savedInstanceState) {

        super.onViewCreated(view, savedInstanceState);

        binding.buttonFirst.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                NavHostFragment.findNavController(FirstFragment.this)

                        .navigate(R.id.action\_FirstFragment\_to\_SecondFragment);

            }

        });

    }

    @Override

    public void onDestroyView() {

        super.onDestroyView();

        binding = null;

    }

}

#Second Fragment.java

    import android.os.Bundle;

    import android.view.LayoutInflater;

    import android.view.View;

    import android.view.ViewGroup;

    import androidx.annotation.NonNull;

    import androidx.fragment.app.Fragment;

    import androidx.navigation.fragment.NavHostFragment;

    import com.abhishek.twoactivities.databinding.FragmentSecondBinding;

    public class SecondFragment extends Fragment {

        private FragmentSecondBinding binding;

        @Override

        public View onCreateView(

                LayoutInflater inflater, ViewGroup container,

                Bundle savedInstanceState

        ) {

            binding = FragmentSecondBinding.inflate(inflater, container, false);

            return binding.getRoot();

        }

        public void onViewCreated(@NonNull View view, Bundle savedInstanceState) {

            super.onViewCreated(view, savedInstanceState);

            binding.buttonSecond.setOnClickListener(new View.OnClickListener() {

                @Override

                public void onClick(View view) {

                    NavHostFragment.findNavController(SecondFragment.this)

                            .navigate(R.id.action\_SecondFragment\_to\_FirstFragment);

                }

            });

        }

        @Override

        public void onDestroyView() {

            super.onDestroyView();

            binding = null;

        }

    }

#MainActivity.java

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

    EditText uname;

    @Override

protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

}

    public void callSecondActivity(View view) {

        uname =(EditText) findViewById(R.id.editText1);

        Intent intent=new Intent(this, SecondActivity.class);

        intent.putExtra ("Value1", "Hello");

        intent.putExtra ("Value2", uname.getText().toString());

        startActivity(intent);

    }

}

#SecondActivity.java

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Toast;

public class SecondActivity extends AppCompatActivity {

    @Override

protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_second);

    Bundle extras = getIntent().getExtras();

    String value1 = extras.getString("Value1");

    String value2 = extras.getString("Value2");

    Toast.makeText (getApplicationContext(), value1+ " "+value2, Toast.LENGTH\_LONG).show();

}

    public void goBack(View view) {

        Intent bintent=new Intent(this, MainActivity.class);

        startActivity(bintent);

    }

}

#First Fragment.xml

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

<androidx.core.widget.NestedScrollView 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=".FirstFragment">

    <androidx.constraintlayout.widget.ConstraintLayout

        android:layout\_width="match\_parent"

        android:layout\_height="match\_parent"

        android:padding="16dp">

        <Button

            android:id="@+id/button\_first"

            android:layout\_width="wrap\_content"

            android:layout\_height="wrap\_content"

            android:text="@string/next"

            app:layout\_constraintBottom\_toTopOf="@id/textview\_first"

            app:layout\_constraintEnd\_toEndOf="parent"

            app:layout\_constraintStart\_toStartOf="parent"

            app:layout\_constraintTop\_toTopOf="parent" />

        <TextView

            android:id="@+id/textview\_first"

            android:layout\_width="wrap\_content"

            android:layout\_height="wrap\_content"

            android:layout\_marginTop="16dp"

            android:text="@string/lorem\_ipsum"

            app:layout\_constraintBottom\_toBottomOf="parent"

            app:layout\_constraintEnd\_toEndOf="parent"

            app:layout\_constraintStart\_toStartOf="parent"

            app:layout\_constraintTop\_toBottomOf="@id/button\_first" />

    </androidx.constraintlayout.widget.ConstraintLayout>

</androidx.core.widget.NestedScrollView>

#Second Fragment.xml

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

<androidx.core.widget.NestedScrollView 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=".SecondFragment">

    <androidx.constraintlayout.widget.ConstraintLayout

        android:layout\_width="match\_parent"

        android:layout\_height="match\_parent"

        android:padding="16dp">

        <Button

            android:id="@+id/button\_second"

            android:layout\_width="wrap\_content"

            android:layout\_height="wrap\_content"

            android:text="@string/previous"

            app:layout\_constraintBottom\_toTopOf="@id/textview\_second"

            app:layout\_constraintEnd\_toEndOf="parent"

            app:layout\_constraintStart\_toStartOf="parent"

            app:layout\_constraintTop\_toTopOf="parent" />

        <TextView

            android:id="@+id/textview\_second"

            android:layout\_width="wrap\_content"

            android:layout\_height="wrap\_content"

            android:layout\_marginTop="16dp"

            android:text="@string/lorem\_ipsum"

            app:layout\_constraintBottom\_toBottomOf="parent"

            app:layout\_constraintEnd\_toEndOf="parent"

            app:layout\_constraintStart\_toStartOf="parent"

            app:layout\_constraintTop\_toBottomOf="@id/button\_second" />

    </androidx.constraintlayout.widget.ConstraintLayout>

</androidx.core.widget.NestedScrollView>

#MainActivity.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=".MainActivity" >

    <EditText

        android:id="@+id/editText1"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:hint=" Enter Your Name "

        android:layout\_centerHorizontal="true"

        android:layout\_centerVertical="true"

        android:layout\_marginBottom="20dp"

        android:textSize="25sp"/>

    <Button android:id="@+id/buttonNext"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:text="Next Activity"

        android:layout\_centerHorizontal="true"

        android:layout\_centerVertical="true"

        android:onClick="callSecondActivity"

        android:layout\_below="@id/editText1"/>

</RelativeLayout>

#SecondActivity.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=".SecondActivity">

<EditText android:id="@+id/editText"

    android:layout\_width="wrap\_content"

    android:layout\_height="wrap\_content"

    android:ems="10"

    android:inputType="textPersonName"

    android:text="Welcome to Second Activity"

    android:layout\_margin="20dp"

    android:textSize="20sp"/>

<Button

    android:id="@+id/buttonBack"

    android:layout\_width="wrap\_content"

    android:layout\_height="wrap\_content"

    android:text="Back"

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

    android:layout\_margin="20dp"

    android:onClick="goBack" />

</RelativeLayout>