# Lab Exercise 09: Two Fragments (Background Color and Text Color)

ActivityMain.java

package com.example.lab09;  
  
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 firstBtn, secondBtn;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 firstBtn = findViewById(R.id.*button*);  
 secondBtn = findViewById(R.id.*button2*);  
  
 firstBtn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 replaceFragment(new Fragment1());  
 }  
 });  
  
 secondBtn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 replaceFragment(new Fragment2());  
 }  
 });  
 }  
  
 private void replaceFragment(Fragment fragment) {  
 FragmentManager fm = getSupportFragmentManager();  
 FragmentTransaction ft = fm.beginTransaction();  
 ft.replace(R.id.*frameLayout*, fragment);  
 ft.commit();  
 }  
}

activity\_main.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">  
  
 <FrameLayout  
 android:id="@+id/frameLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="600dp"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginBottom="0sp" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="150sp"  
 android:layout\_height="60sp"  
 android:layout\_marginStart="30dp"  
 android:layout\_marginTop="10sp"  
 android:text="@string/fragment\_1" />  
  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="150sp"  
 android:layout\_height="60sp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="10sp"  
 android:layout\_marginEnd="30dp"  
 android:text="@string/fragment\_2" />  
  
</RelativeLayout>

fragment\_1.xml

*<?*xml version="1.0" encoding="utf-8"*?>*<FrameLayout 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/cardview\_dark\_background"  
 tools:context=".Fragment1">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:text="@string/background\_color\_changed\_successfully"  
 android:textColor="@color/cardview\_light\_background"  
 android:textSize="25sp" />  
  
</FrameLayout>

fragment\_2.xml

*<?*xml version="1.0" encoding="utf-8"*?>*<FrameLayout 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=".Fragment2">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:text="@string/text\_color\_changed\_successfully"  
 android:textColor="@color/purple\_200"  
 android:textSize="25sp" />  
  
</FrameLayout>

Fragment1.java

package com.example.lab09;  
  
import android.os.Bundle;  
  
import androidx.fragment.app.Fragment;  
  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
  
  
public class Fragment1 extends Fragment {  
  
 @Override  
 public View onCreateView(LayoutInflater inflater, ViewGroup container,  
 Bundle savedInstanceState) {  
 *// Inflate the layout for this fragment* return inflater.inflate(R.layout.*fragment\_1*, container, false);  
 }  
}

Fragment2.java

package com.example.lab09;  
  
import android.os.Bundle;  
  
import androidx.fragment.app.Fragment;  
  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
  
public class Fragment2 extends Fragment {  
  
 @Override  
 public View onCreateView(LayoutInflater inflater, ViewGroup container,  
 Bundle savedInstanceState) {  
 *// Inflate the layout for this fragment* return inflater.inflate(R.layout.*fragment\_2*, container, false);  
 }  
}

strings.xml

<resources>  
 <string name="app\_name">Lab09</string>  
 <string name="fragment\_2">Set Text Color</string>  
 <string name="fragment\_1">Set BG Color</string>  
 <string name="background\_color\_changed\_successfully">Background Color Changed Successfully</string>  
 <string name="text\_color\_changed\_successfully">Text Color Changed Successfully</string>  
</resources>

OUTPUT

|  |  |  |
| --- | --- | --- |
| A picture containing background pattern  Description automatically generated | Text  Description automatically generated | A picture containing background pattern  Description automatically generated |