# 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

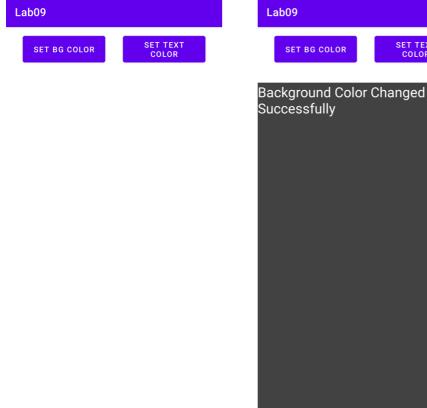
```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    tools:context=".MainActivity">
    <FrameLayout</pre>
        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"</pre>
    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"</pre>
    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
12:16 🌣
                                12:16 🌣
                                                                12:16
```





**Text Color Changed Successfully**