9. Create an application with 2 fragments, one to set the background and other to set the fore-color of the text.

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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="411dp"
        android:layout_height="523dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="1.0">

    </FrameLayout>

    <TextView
        android:id="@+id/textView"
        android:layout_width="174dp"
        android:layout_height="42dp"
        android:text="Fragments"
        android:textSize="34sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toTopOf="@+id/frameLayout"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.502"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.289" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Background"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.109"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.196" />

    <Button
        android:id="@+id/button2"
        android:layout_width="128dp"
        android:layout_height="44dp"
        android:text="Forecolor"
        app:layout_constraintBottom_toBottomOf="parent"
```

```
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="0.836"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:layout_constraintVertical_bias="0.196" />
    </androidx.constraintlayout.widget.ConstraintLayout>
```

```java
package com.example.a2_fragement;

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 b1,b2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        b1 = findViewById(R.id.button);
        b2 = findViewById(R.id.button2);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                FragmentManager fm = getSupportFragmentManager();
                FragmentTransaction fg = fm.beginTransaction();
                Bundle b = new Bundle();
                fg.replace(R.id.frameLayout,FirstFragment.class,b);
                fg.commit();
            }
        });

        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                FragmentManager fm = getSupportFragmentManager();
                FragmentTransaction fg = fm.beginTransaction();
                Bundle b = new Bundle();
                fg.replace(R.id.frameLayout,SecondFragment.class,b);
                fg.commit();
            }
        });

    }
}
```

// First Fragment

```xml
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
```

```xml
    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">

        <Button
            android:id="@+id/button4"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Background"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:layout_constraintVertical_bias="0.499" />

        <TextView
            android:id="@+id/textView2"
            android:layout_width="216dp"
            android:layout_height="84dp"
            android:text="Helllo"
            android:textSize="24sp"
            android:textStyle="bold"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="0.497"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:layout_constraintVertical_bias="0.678" />
    </androidx.constraintlayout.widget.ConstraintLayout>
</FrameLayout>


public void onViewCreated(View view, Bundle savedInstanceState) {
    // Setup any handles to view objects here
    Button v = (Button) view.findViewById(R.id.button4);
    TextView txt = view.findViewById(R.id.textView2);
    v.setOnClickListener(new View.OnClickListener()
    {
        @Override
        public void onClick(View view)
        {
            txt.setBackgroundColor(Color.RED);
        }
    });
}


// Second Fragment

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

```xml
<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <Button
        android:id="@+id/button3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Forecolor"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.428" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="148dp"
        android:layout_height="65dp"
        android:foregroundTint="#8BC34A"
        android:text="Helllo"
        android:textColor="#F44336"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.574"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.644" />
</androidx.constraintlayout.widget.ConstraintLayout>
</FrameLayout>


public void onViewCreated(View view, Bundle savedInstanceState) {
    // Setup any handles to view objects here
    Button v = (Button) view.findViewById(R.id.button3);
    TextView txt = view.findViewById(R.id.textView3);
    v.setOnClickListener(new View.OnClickListener()
    {
        @Override
        public void onClick(View view)
        {
                txt.setTextColor(getResources().getColor(R.color.black));
        }
    });
}
```

Fragments

BACKGROUND   **FORECOLOR**

BACKGROUND

Helllo