

## **PROGRAM NO :4**

**AIM:** Develop application using Fragments.

### **PROGRAM CODE:**

Activity_main.xml	<pre>&lt;?xml version="1.0" encoding="utf-8"?&gt;  &lt;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"&gt;      &lt;Button          android:id="@+id/f2"          android:layout_width="wrap_content"          android:layout_height="wrap_content"          android:layout_marginStart="32dp"          android:layout_marginTop="100dp"          android:onClick="fragment2Start"          android:text="Fragment 2"          app:layout_constraintEnd_toEndOf="parent"          app:layout_constraintHorizontal_bias="0.5"          app:layout_constraintStart_toEndOf="@+id/f1"          app:layout_constraintTop_toTopOf="parent" /&gt;</pre>
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Main_activit y.java	<pre> &lt;Button      android:id="@+id/f1"      android:layout_width="wrap_content"      android:layout_height="wrap_content"      android:layout_marginTop="100dp"      android:onClick="fragement1Start"      android:text="Fragment 1"      app:layout_constraintEnd_toStartOf="@+id/f2"      app:layout_constraintHorizontal_bias="0.5"      app:layout_constraintStart_toStartOf="parent"      app:layout_constraintTop_toTopOf="parent" /&gt;  &lt;FrameLayout      android:id="@+id/fra"      android:layout_width="409dp"      android:layout_height="581dp"      tools:layout_editor_absoluteX="2dp"      tools:layout_editor_absoluteY="148dp"&gt;  &lt;/FrameLayout&gt;  &lt;/androidx.constraintlayout.widget.ConstraintLayout&gt;  package com.example.fr;  import androidx.appcompat.app.AppCompatActivity; import androidx.fragment.app.Fragment; import androidx.fragment.app.FragmentManager; </pre>
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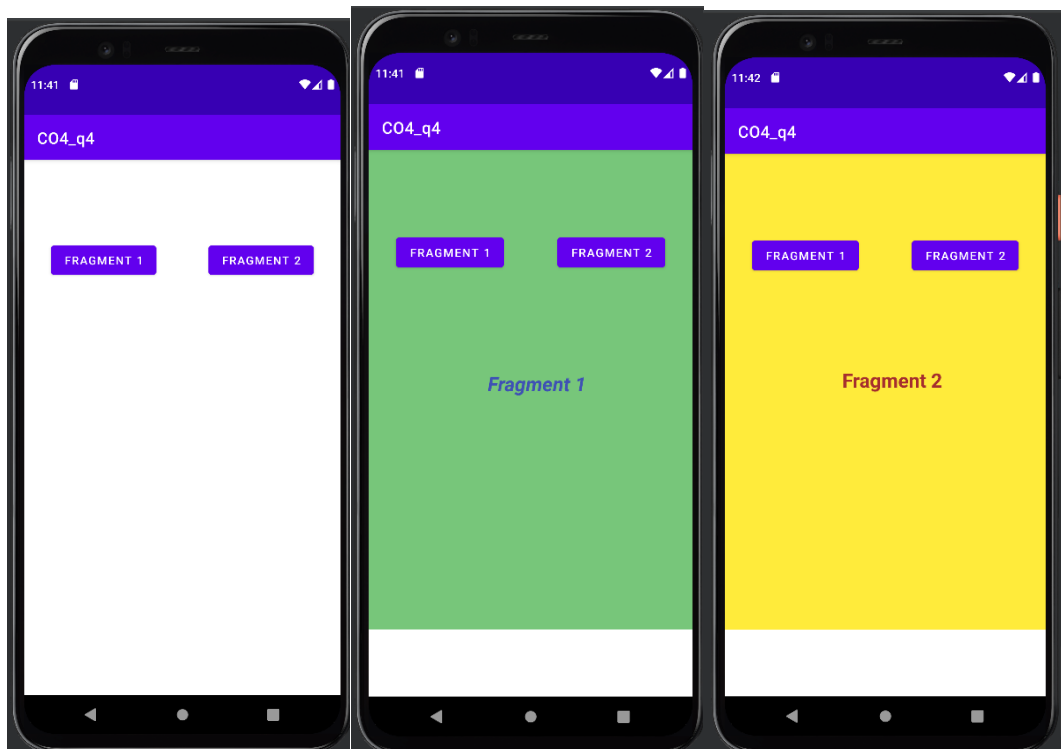
<p>Fragment_1. xml</p>	<pre> import androidx.fragment.app.FragmentTransaction;  import android.os.Bundle; import android.view.View; import android.widget.Toast;  public class MainActivity extends AppCompatActivity {      @Override     protected void onCreate(Bundle savedInstanceState) {         super.onCreate(savedInstanceState);         setContentView(R.layout.activity_main);     }      public void fragement1Start(View view){         replaceFragement(new Fragment1());     }      public void fragement2Start(View view){         replaceFragement(new Fragment2());     }      public void replaceFragement(Fragment pragment){         FragmentManager fm = getSupportFragmentManager();         FragmentTransaction ft = fm.beginTransaction();         ft.replace(R.id.fra,pragment);         ft.commit();     }  } </pre> <pre> &lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;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:id="@+id/frameLayout2" android:layout_width="match_parent" android:layout_height="match_parent" android:background="#77C67A" tools:context=".Fragment1"&gt; </pre>
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Fragmet_1.j ava	<pre> &lt;TextView     android:id="@+id/textView2"     android:layout_width="154dp"     android:layout_height="46dp"     android:text="Fragment 1"     android:textAlignment="center"     android:textColor="#3F51B5"     android:textSize="24sp"     android:textStyle="bold italic"     app:layout_constraintBottom_toBottomOf="parent"     app:layout_constraintEnd_toEndOf="parent"     app:layout_constraintHorizontal_bias="0.498"     app:layout_constraintStart_toStartOf="parent"     app:layout_constraintTop_toTopOf="parent"     app:layout_constraintVertical_bias="0.499" /&gt; &lt;/androidx.constraintlayout.widget.ConstraintLayout&gt;  package com.example.fr;  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);     } } </pre>
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Fragment_2. xml	<pre> &lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;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:id="@+id/frameLayout" android:layout_width="match_parent" android:layout_height="match_parent" android:background="#FFEB3B" tools:context=".Fragment2"&gt;  &lt;!-- TODO: Update blank fragment layout --&gt;  &lt;TextView     android:id="@+id/textView"     android:layout_width="131dp"     android:layout_height="61dp"     android:text="Fragment 2"     android:textAlignment="center"     android:textColor="#A52E2E"     android:textSize="24sp"     android:textStyle="bold"     app:layout_constraintBottom_toBottomOf="parent"     app:layout_constraintEnd_toEndOf="parent"     app:layout_constraintStart_toStartOf="parent"     app:layout_constraintTop_toTopOf="parent" /&gt;  &lt;/androidx.constraintlayout.widget.ConstraintLayout&gt; </pre>
Fragment_2. java	<pre> package com.example.fr;  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 { </pre>

```
@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);
}
}
```

### OUTPUT:



### RESULT

Program Has Been Successfully Executed And Output Is Obtained.