

java\tp2ex1.java

```
1 public class MainActivity extends AppCompatActivity {
2     Button btnFragment1, btnFragment2;
3     @Override
4     protected void onCreate(Bundle savedInstanceState) {
5         super.onCreate(savedInstanceState);
6         setContentView(R.layout.activity_main);
7         btnFragment1 = findViewById(R.id.btnFragment1);
8         btnFragment2 = findViewById(R.id.btnFragment2);
9         btnFragment1.setOnClickListener(new View.OnClickListener() {
10             @Override
11             public void onClick(View v) {
12                 loadFragment(new Fragment1());
13             }
14         });
15         btnFragment2.setOnClickListener(new View.OnClickListener() {
16             @Override
17             public void onClick(View v) {
18                 loadFragment(new Fragment2());
19             }
20         });
21         // Default fragment
22         loadFragment(new Fragment1());
23     }
24     private void loadFragment(Fragment fragment) {
25         getSupportFragmentManager()
26             .beginTransaction()
```

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27         .replace(R.id.fragmentContainer, fragment)
28         .commit();
29     }
30 }
31
32 <?xml version="1.0" encoding="utf-8"?>
33 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
34     android:orientation="vertical" android:layout_width="match_parent"
35     android:layout_height="match_parent">
36     <LinearLayout android:layout_width="match_parent" android:layout_height="wrap_content"
37         android:orientation="horizontal" android:padding="16dp" android:gravity="center">
38         <Button android:id="@+id/btnFragment1" android:layout_width="wrap_content"
39             android:layout_height="wrap_content" android:text="Fragment No.1" />
40         <Button android:id="@+id/btnFragment2" android:layout_width="wrap_content"
41             android:layout_height="wrap_content" android:text="Fragment No.2" android:layout_marginStart="16dp"/>
42     </LinearLayout>
43     <FrameLayout android:id="@+id/fragmentContainer" android:layout_width="match_parent"
44         android:layout_height="0dp" android:layout_weight="1" />
45 </LinearLayout>
46
47 public class Fragment1 extends Fragment {
48     public Fragment1() {}
49     @Override
50     public View onCreateView(LayoutInflater inflater, ViewGroup container,
51         Bundle savedInstanceState) {
52         return inflater.inflate(R.layout.fragment1, container, false);
53     }
54 }

```

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50
51 <?xml version="1.0" encoding="utf-8"?>
52 <FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
53     android:layout_width="match_parent" android:layout_height="match_parent"
54     android:background="#FF00FF"> <!-- Magenta -->
55
56     <TextView android:layout_gravity="center" android:text="This is fragment No.1"
57         android:textSize="24sp" android:textColor="#FFFFFF" android:layout_width="wrap_content"
58         android:layout_height="wrap_content" /> <!-- White -->
59 </FrameLayout>
60
61 public class Fragment2 extends Fragment {
62     public Fragment2() {}
63     @Override
64     public View onCreateView(LayoutInflater inflater, ViewGroup container,
65         Bundle savedInstanceState) {
66         return inflater.inflate(R.layout.fragment2, container, false);
67     }
68 }
69
70 <?xml version="1.0" encoding="utf-8"?>
71 <FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
72     android:layout_width="match_parent" android:layout_height="match_parent"
73     android:background="#FFFF00"> <!-- Yellow -->
74
75     <TextView android:layout_gravity="center" android:text="This is fragment No.2"
76         android:textSize="24sp" android:textColor="#000000" android:layout_width="wrap_content"
77         android:layout_height="wrap_content"/> <!-- Black -->
78 </FrameLayout>
```