

java\tp4ex1.java

```
1 public class MainActivity extends AppCompatActivity {
2     String firstName = "";
3     String lastName = "";
4     String level = "";
5     boolean showLevel = false;
6     @Override
7     protected void onCreate(Bundle savedInstanceState) {
8         super.onCreate(savedInstanceState);
9         setContentView(R.layout.activity_main);
10        showFragmentOne();
11    }
12    public void showFragmentOne() {
13        FragmentTransaction ft = getSupportFragmentManager().beginTransaction();
14        ft.replace(R.id.frame1, new FragmentOne());
15        ft.commit();
16    }
17    public void showFragmentTwo() {
18        FragmentTransaction ft = getSupportFragmentManager().beginTransaction();
19        ft.replace(R.id.frame2, new FragmentTwo());
20        ft.commit();
21    }
22    public void showFragmentThree() {
23        FragmentTransaction ft = getSupportFragmentManager().beginTransaction();
24        ft.replace(R.id.frame3, new FragmentThree());
25        ft.commit();
26    }
```

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27 }
28
29 <?xml version="1.0" encoding="utf-8"?>
30 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="horizontal" android:layout_width="match_parent"
    android:layout_height="match_parent">
31     <FrameLayout android:id="@+id/frame1" android:layout_width="0dp" android:layout_weight="1"
    android:layout_height="match_parent" />
32     <FrameLayout android:id="@+id/frame2" android:layout_width="0dp" android:layout_weight="1"
    android:layout_height="match_parent" />
33     <FrameLayout android:id="@+id/frame3" android:layout_width="0dp" android:layout_weight="1"
    android:layout_height="match_parent" />
34 </LinearLayout>
35
36
37 public class FragmentOne extends Fragment {
38     EditText etFirstName, etLastName;
39     @Override
40     public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle
    savedInstanceState) {
41         View view = inflater.inflate(R.layout.fragment_one, container, false);
42         etFirstName = view.findViewById(R.id.etFirstName);
43         etLastName = view.findViewById(R.id.etLastName);
44         Button btnNext = view.findViewById(R.id.btnNext1);
45         btnNext.setOnClickListener(v -> {
46             MainActivity activity = (MainActivity) getActivity();
47             if (activity != null) {
48                 activity.firstName = etFirstName.getText().toString().trim();
49                 activity.lastName = etLastName.getText().toString().trim();

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50         if (activity.firstName.isEmpty() || activity.lastName.isEmpty()) {
51             Toast.makeText(getActivity(), "All fields are required",
Toast.LENGTH_SHORT).show();
52             return;
53         }
54         activity.showFragmentTwo();
55     }
56 });
57     return view;
58 }
59 }
60
61 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:padding="16dp" android:layout_width="match_parent"
    android:layout_height="match_parent">
62     <TextView android:text="Enter your Name" android:layout_width="wrap_content"
    android:layout_height="wrap_content" />
63     <EditText android:id="@+id/etFirstName" android:hint="First Name"
    android:layout_width="match_parent" android:layout_height="wrap_content"/>
64     <EditText android:id="@+id/etLastName" android:hint="Last Name"
    android:layout_width="match_parent" android:layout_height="wrap_content"/>
65     <Button android:id="@+id/btnNext1" android:text="Next" android:layout_width="wrap_content"
    android:layout_height="wrap_content"/>
66 </LinearLayout>
67
68
69 public class FragmentTwo extends Fragment {
70     RadioButton rbBeginner, rbExpert;
71     CheckBox cbShowLevel;

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72     TextView tvDisplayName;
73     @Override
74     public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle
savedInstanceState) {
75         View view = inflater.inflate(R.layout.fragment_two, container, false);
76         rbBeginner = view.findViewById(R.id.rbBeginner);
77         rbExpert = view.findViewById(R.id.rbExpert);
78         cbShowLevel = view.findViewById(R.id.cbShowLevel);
79         tvDisplayName = view.findViewById(R.id.tvDisplayName);
80         Button btnNext = view.findViewById(R.id.btnNext2);
81         MainActivity activity = (MainActivity) getActivity();
82         if (activity != null) {
83             tvDisplayName.setText(activity.firstName + " " + activity.lastName);
84         }
85         btnNext.setOnClickListener(v -> {
86             if (activity != null) {
87                 activity.showLevel = cbShowLevel.isChecked();
88                 if (rbBeginner.isChecked())
89                     activity.level = "Beginner";
90                 else if (rbExpert.isChecked())
91                     activity.level = "Expert";
92                 activity.showFragmentThree();
93             }
94         });
95         return view;
96     }
97 }
98

```

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99 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:padding="16dp" android:layout_width="match_parent"
    android:layout_height="match_parent">
100     <TextView android:id="@+id/tvDisplayName" android:text="Name" android:layout_width="wrap_content"
    android:layout_height="wrap_content"/>
101     <TextView android:text="Select your level" android:layout_width="wrap_content"
    android:layout_height="wrap_content" />
102     <RadioGroup android:orientation="horizontal" android:layout_width="wrap_content"
    android:layout_height="wrap_content">
103         <RadioButton android:id="@+id/rbBeginner" android:text="Beginner" />
104         <RadioButton android:id="@+id/rbExpert" android:text="Expert" />
105     </RadioGroup>
106     <CheckBox android:id="@+id/cbShowLevel" android:text="Show my Level"
    android:layout_width="wrap_content" android:layout_height="wrap_content" />
107     <Button android:id="@+id/btnNext2" android:text="Next" android:layout_width="wrap_content"
    android:layout_height="wrap_content"/>
108 </LinearLayout>
109
110
111 public class FragmentThree extends Fragment {
112     TextView tvResult;
113     @Override
114     public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle
    savedInstanceState) {
115         View view = inflater.inflate(R.layout.fragment_three, container, false);
116         tvResult = view.findViewById(R.id.tvResult);
117         MainActivity activity = (MainActivity) getActivity();
118         if (activity != null) {
119             if (activity.showLevel) {

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120         tvResult.setText("Your level is: " + activity.level);
121     } else {
122         tvResult.setText("We can't show your level");
123     }
124 }
125 return view;
126 }
127 }
128
129 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
130     android:orientation="vertical" android:padding="16dp" android:layout_width="match_parent"
131     android:layout_height="match_parent">
132     <TextView android:id="@+id/tvResult" android:text="Result will show here"
133     android:layout_width="wrap_content" android:layout_height="wrap_content"/>
134 </LinearLayout>
```