

java\tp3ex1.java

```
1 public class MainActivity extends AppCompatActivity {
2     private EditText editText;
3     private Button buttonShow;
4     private FrameLayout frameLayout;
5     @Override
6     protected void onCreate(Bundle savedInstanceState) {
7         super.onCreate(savedInstanceState);
8         setContentView(R.layout.activity_main);
9         editText = findViewById(R.id.editText);
10        buttonShow = findViewById(R.id.buttonShow);
11        frameLayout = findViewById(R.id.frameLayout);
12        buttonShow.setOnClickListener(new View.OnClickListener() {
13            @Override
14            public void onClick(View v) {
15                String message = editText.getText().toString().trim();
16                if(message.isEmpty()){
17                    Toast.makeText(MainActivity.this, "Enter a message", Toast.LENGTH_SHORT).show();
18                    return;
19                }
20                Fragment1 fragment1 = new Fragment1();
21                Bundle bundle = new Bundle();
22                bundle.putString("message", message);
23                fragment1.setArguments(bundle);
24                FragmentTransaction transaction = getSupportFragmentManager().beginTransaction();
25                transaction.replace(R.id.frameLayout, fragment1);
26                transaction.addToBackStack(null);
```

```

27         transaction.commit();
28     }
29     });
30 }
31 }
32
33 <?xml version="1.0" encoding="utf-8"?>
34 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
35     xmlns:tools="http://schemas.android.com/tools" android:layout_width="match_parent"
36     android:layout_height="match_parent" android:padding="16dp" tools:context=".MainActivity">
37     <EditText android:id="@+id/editText" android:layout_width="match_parent"
38     android:layout_height="wrap_content" android:hint="Enter text"/>
39     <Button android:id="@+id/buttonShow" android:layout_width="wrap_content"
40     android:layout_height="wrap_content" android:layout_below="@id/editText"
41     android:layout_marginTop="16dp" android:text="Show"/>
42     <FrameLayout android:id="@+id/frameLayout" android:layout_width="match_parent"
43     android:layout_height="match_parent" android:layout_below="@id/buttonShow"
44     android:layout_marginTop="16dp"/>
45 </RelativeLayout>
46
47 public class Fragment1 extends Fragment {
48     private TextView textViewMessage;
49     @Nullable
50     @Override
51     public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container,
52     @Nullable Bundle savedInstanceState) {
53         View view = inflater.inflate(R.layout.fragment_main, container, false);
54         textViewMessage = view.findViewById(R.id.textViewMessage);

```

```
Bundle bundle = getArguments();
```

```
if (bundle != null) {
```

```
    String message = bundle.getString("message");
```

```
    textViewMessage.setText(message);
```

```
}
```

```
return view;
```

```
}
```

```
}
```

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

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
```

```
    android:layout_width="match_parent" android:layout_height="match_parent"
```

```
    android:orientation="vertical" android:padding="16dp">
```

```
    <TextView android:id="@+id/textViewMessage" android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content" android:text="Message will appear here"/>
```

```
</LinearLayout>
```