java\tp3ex1.java

```java
public class MainActivity extends AppCompatActivity {
    private EditText editText;
    private Button buttonShow;
    private FrameLayout frameLayout;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        editText = findViewById(R.id.editText);
        buttonShow = findViewById(R.id.buttonShow);
        frameLayout = findViewById(R.id.frameLayout);
        buttonShow.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String message = editText.getText().toString().trim();
                if(message.isEmpty()){
                    Toast.makeText(MainActivity.this,"Enter a message",Toast.LENGTH_SHORT).show();
                    return;
                }
                Fragment1 fragment1 = new Fragment1();
                Bundle bundle = new Bundle();
                bundle.putString("message", message);
                fragment1.setArguments(bundle);
                FragmentTransaction transaction = getSupportFragmentManager().beginTransaction();
                transaction.replace(R.id.frameLayout, fragment1);
                transaction.addToBackStack(null);
```

```
27                    transaction.commit();
28                }
29          });
30      }
31  }

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"
    android:layout_height="match_parent" android:padding="16dp" tools:context=".MainActivity">
36      <EditText android:id="@+id/editText" android:layout_width="match_parent"
    android:layout_height="wrap_content" android:hint="Enter text"/>
37      <Button android:id="@+id/buttonShow" android:layout_width="wrap_content"
    android:layout_height="wrap_content" android:layout_below="@id/editText"
    android:layout_marginTop="16dp" android:text="Show"/>
38      <FrameLayout android:id="@+id/frameLayout" android:layout_width="match_parent"
    android:layout_height="match_parent" android:layout_below="@id/buttonShow"
    android:layout_marginTop="16dp"/>
39  </RelativeLayout>



42  public class Fragment1 extends Fragment {
43      private TextView textViewMessage;
44      @Nullable
45      @Override
46      public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container,
    @Nullable Bundle savedInstanceState) {
47          View view = inflater.inflate(R.layout.fragment_main, container, false);
48          textViewMessage = view.findViewById(R.id.textViewMessage);
```

```java
            Bundle bundle = getArguments();
            if (bundle != null) {
                String message = bundle.getString("message");
                textViewMessage.setText(message);
            }
            return view;
        }
}
```

```xml
<?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>
```