

FRAGMENTO DE FORMULÁRIO

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

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Número" />

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/etNum" />

    <Button
        android:id="@+id/btCalc"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Calcular" />

</LinearLayout>
```

FRAGMENTO DO RESULTADO

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

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/tvResult"
        android:textSize="40dp"
        android:background="@android:color/holo_blue_bright"
    />

</LinearLayout>
```

ACTIVITY_MAIN.XML

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

<LinearLayout 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"
    android:orientation="vertical">

    <fragment
        android:id="@+id/frag_form"
        android:name="com.example.fragmentacao.FormFragment"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="1"
        tools:layout="@layout/fragment_form" />

    <fragment
        android:id="@+id/frag_result"
        android:name="com.example.fragmentacao.ResultFragment"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="4"
        tools:layout="@layout/fragment_result" />

</LinearLayout>
```

CLASSE DO FORMULÁRIO

```
public class FormFragment extends Fragment implements View.OnClickListener {

    private EditText edtNum;

    private OnQuadradoListener listener;

    @Override

    public void onAttach(@NonNull Context context) {

        super.onAttach(context);

        if(!(context instanceof OnQuadradoListener)){

            throw new RuntimeException("Implementar a interface
FormFragment.OnInvertListener");

        }

        else{

            listener = (OnQuadradoListener) context;

        }

    }

    @Nullable

    @Override

    public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup
container, @Nullable Bundle savedInstanceState) {

        //return super.onCreateView(inflater, container, savedInstanceState);

        View view = inflater.inflate(R.layout.fragment_form,container,false);

        edtNum = (EditText) view.findViewById(R.id.etNum);

        Button btCalcular = (Button) view.findViewById(R.id.btCalc);

        btCalcular.setOnClickListener(this);

        return view;

    }

    @Override

    public void onClick(View v) {

        if(listener!=null){

            String texto = edtNum.getText().toString();

            listener.onQuadrado(texto);

        }

    }

    public interface OnQuadradoListener{

        public void onQuadrado(String text);

    }

}
```

CLASSE DO RESULTADO

```
public class ResultFragment extends Fragment {  
  
    private TextView tx;  
  
    @Nullable  
  
    @Override  
  
    public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup  
container, @Nullable Bundle savedInstanceState) {  
  
        View view = inflater.inflate(R.layout.fragment_result,container,false);  
  
        tx = (TextView) view.findViewById(R.id.tvResult);  
  
        return view;  
  
    }  
  
    public void calcularQuadrado(String text){  
  
        int total = Integer.parseInt(text)* Integer.parseInt(text);  
  
        String resultado = String.format("Total: %d",total);  
  
        tx.setText(resultado);  
  
    }  
}
```

MainActivity.JAVA

```
public class MainActivity extends AppCompatActivity implements  
FormFragment.OnQuadradoListener {  
  
    private ResultFragment resuFrag;  
  
    @Override  
  
    protected void onCreate(Bundle savedInstanceState) {  
  
        super.onCreate(savedInstanceState);  
  
        setContentView(R.layout.activity_main);  
  
        resuFrag = (ResultFragment)  
getSupportFragmentManager().findFragmentById(R.id.frag_result);  
  
    }  
  
  
    @Override  
  
    public void onQuadrado(String text) {  
  
        resuFrag.calcularQuadrado(text);  
  
    }  
}
```