Projeto Calculadora

Componente

Layouts

LinearLayout (vertical)

Text

6 TextView ( Título Nome Empresa

Nome App

Digite Valor 1

Digite Valor 2

Resultado id tv\_resultado

2 EditText (PlainText)

Id et\_valor1

Et\_valor2

Buttons

4 Buttos (Somar, Subtrair, Multiplicar e Dividir)

Alterar

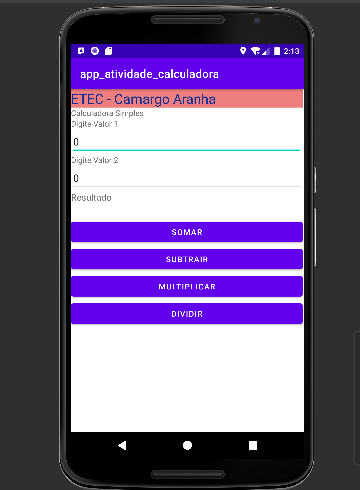
Text = 0

Id = nome correspondente (tipo btn\_somar)

InputType (number)

Numeric (decimal)

Tela Final



Arquivo XML

<LinearLayout  
 android:layout\_width="409dp"  
 android:layout\_height="729dp"  
 android:orientation="vertical"  
 tools:layout\_editor\_absoluteX="1dp"  
 tools:layout\_editor\_absoluteY="1dp">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="#EF7F7F"  
 android:text="ETEC - Camargo Aranha"  
 android:textColor="#0B2E98"  
 android:textSize="24sp" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Calculadora Simples" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Digite Valor 1" />  
  
 <EditText  
 android:id="@+id/et\_valor1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="number"  
 android:numeric="decimal"  
 android:text="0" />  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Digite Valor 2" />  
  
 <EditText  
 android:id="@+id/ed\_valor2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="number"  
 android:numeric="decimal"  
 android:text="0" />  
  
 <TextView  
 android:id="@+id/textView6"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Resultado"  
 android:textSize="16sp" />  
  
 <TextView  
 android:id="@+id/tv\_resultado"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textSize="20sp" />  
  
 <Button  
 android:id="@+id/btn\_somar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Somar" />  
  
 <Button  
 android:id="@+id/btn\_subtrair"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Subtrair" />  
  
 <Button  
 android:id="@+id/btn\_multiplicar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Multiplicar" />  
  
 <Button  
 android:id="@+id/btn\_dividir"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Dividir" />  
  
</LinearLayout>

Arquivo Java

public class MainActivity extends AppCompatActivity {  
  
 // definindo variaveis - Globais  
  
 double vnum1,vnum2,vresul;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 //Codigo Calculadora  
  
 Button btn\_somar = (Button) findViewById(R.id.btn\_somar);  
 Button btn\_subtrair = (Button) findViewById(R.id.btn\_subtrair);  
 Button btn\_multiplicar = (Button) findViewById(R.id.btn\_multiplicar);  
 Button btn\_dividir = (Button) findViewById(R.id.btn\_dividir);  
  
 EditText et\_valor1 = (EditText) findViewById(R.id.et\_valor1);  
 EditText et\_valor2 = (EditText) findViewById(R.id.ed\_valor2);  
  
 TextView tv\_resultado = (TextView) findViewById(R.id.tv\_resultado);  
  
 // Rotina soma  
 btn\_somar.setOnClickListener(new View.OnClickListener(){  
 public void onClick(View v) {  
 vnum1=Double.parseDouble(et\_valor1.getText().toString());  
 vnum2=Double.parseDouble(et\_valor2.getText().toString());  
 vresul = vnum1 + vnum2;  
 tv\_resultado.setText(String.valueOf(vresul));  
 }  
 });  
  
 // Rotina Subtrair  
 btn\_subtrair.setOnClickListener(new View.OnClickListener(){  
 public void onClick(View v) {  
 vnum1=Double.parseDouble(et\_valor1.getText().toString());  
 vnum2=Double.parseDouble(et\_valor2.getText().toString());  
 vresul = vnum1 - vnum2;  
 tv\_resultado.setText(String.valueOf(vresul));  
 }  
 });  
  
 // Rotina Multiplicar  
 btn\_multiplicar.setOnClickListener(new View.OnClickListener(){  
 public void onClick(View v) {  
 vnum1=Double.parseDouble(et\_valor1.getText().toString());  
 vnum2=Double.parseDouble(et\_valor2.getText().toString());  
 vresul = vnum1 \* vnum2;  
 tv\_resultado.setText(String.valueOf(vresul));  
 }  
 });  
  
  
  
 }  
}