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Código Java:

```
package com.example.topicoshelo;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
   private TextView Resultado;
 @Override
  protected void onCreate(Bundle savedInstanceState) {
  setContentView(R.layout.activity main);
   Resultado = findViewById(R.id.Resultado);
      editAltura = findViewById(R.id.editAltura);
      editIdade = findViewById(R.id.editIdade);
  public void processar (View view) {
      String Peso = editPeso.getText().toString();
      String Altura = editAltura.getText().toString();
      String Idade = editIdade.getText().toString();
      int peso = Integer.parseInt(Peso);
      int altura = Integer.parseInt(Altura);
   double imc = peso / Math.pow(aaltura, 2);
```

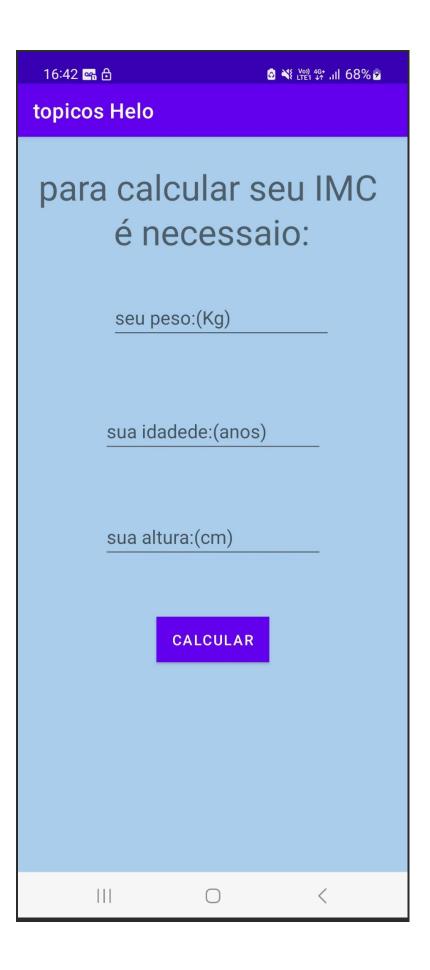
```
double IMC = Math.round(imc * 100.0) / 100.0;
      String classificacao = "";
      if (idade > 65) {
         faixaEtaria = "Idoso";
      } else {
          faixaEtaria = "Adulto";
  if (faixaEtaria == "Adulto") {
      if (IMC < 18.5) {
              classificacao = "Baixo peso";
           } else if(IMC > 18.5 && IMC <= 24.9){
              classificacao = "Peso normal";
           else if (IMC >= 25 && IMC <= 29.9){
            classificacao = "Excesso de peso";
          } else if(IMC >= 30 && IMC <= 34.9){</pre>
          classificacao = "Obesidade de Classe 1";
          } else if(IMC >= 35 && IMC <= 39.9){</pre>
             classificacao = "Obesidade de Classe 2";
          } else if (IMC >= 40) {
             classificacao = "Obesidade de Classe 3";
 } else {
         if (IMC <= 22) {
             classificacao = "Baixo peso";
          if (IMC > 22 && IMC < 27) {
              classificacao = "Adequado ou eutrófico";
          if (IMC >= 27) {
              classificacao = "Sobrepeso";
      Resultado.setText("Resultado: " + faixaEtaria + " " +
aaltura + "m " + peso + "Kg \n" + "IMC: " + IMC + "\n" +
classificacao + "\n" );
```

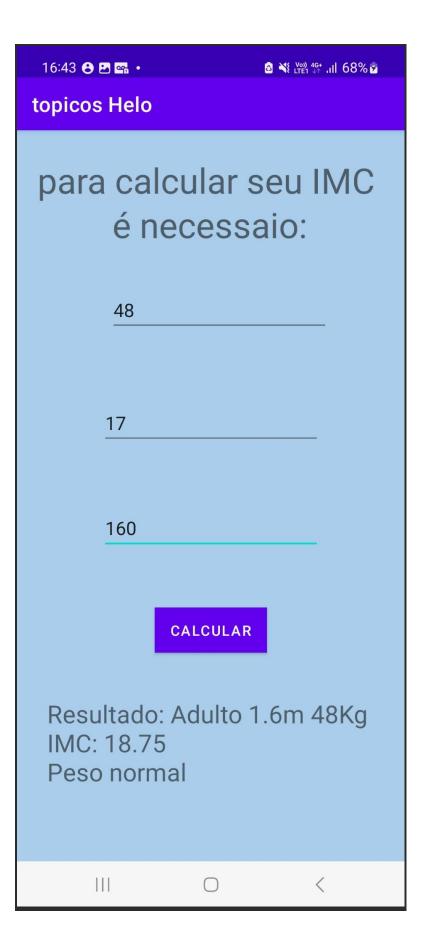
Arquivo XML:

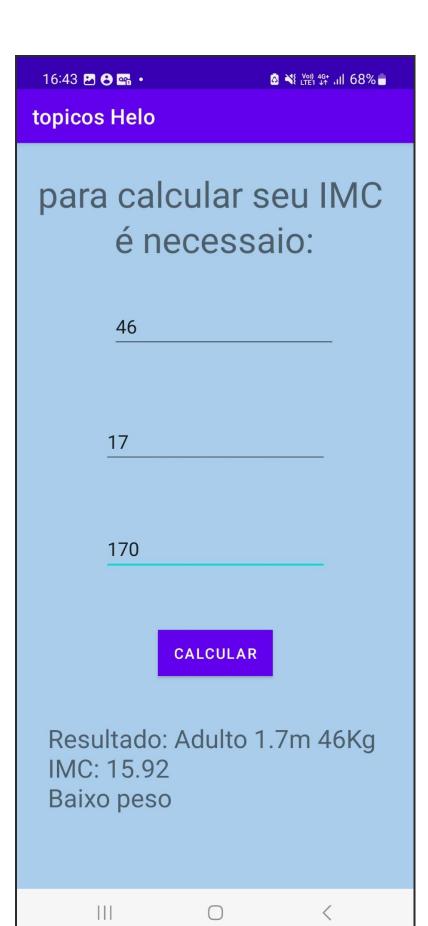
```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
xmlns:android="http://schemas.android.com/apk/res/android"
  android:layout_width="match parent"
  android:layout height="match parent"
  android:background="#8BE1CD"
 android:backgroundTint="#A9CDEA"
  tools:context=".MainActivity">
  <Button
      android:id="@+id/Calcular
      android: layout width="wrap content
      android:layout height="wrap content
      android:layout marginTop="24dp"
      android:background="#B87612"
      android:onClick="processar"
      android:text="calcular"
      app:layout constraintBottom toBottomOf="parent"
       app:layout constraintEnd toEndOf="parent"
      app:layout constraintStart toStartOf="parent"
      app:layout_constraintTop toBottomOf="@+id/editAltura"
      app:layout constraintVertical bias="0.141" />
  <EditText
       android:layout width="wrap content"
      android:layout height="wrap content"
       android:ems="10"
       android:hint="seu peso:(Kg)"
       android:inputType="textPersonName"
      app:layout_constraintBottom toBottomOf="parent"
      app:layout constraintEnd toEndOf="parent"
      app:layout constraintHorizontal bias="0.552"
      app:layout_constraintTop_toTopOf="parent"
      app:layout constraintVertical bias="0.23" />
```

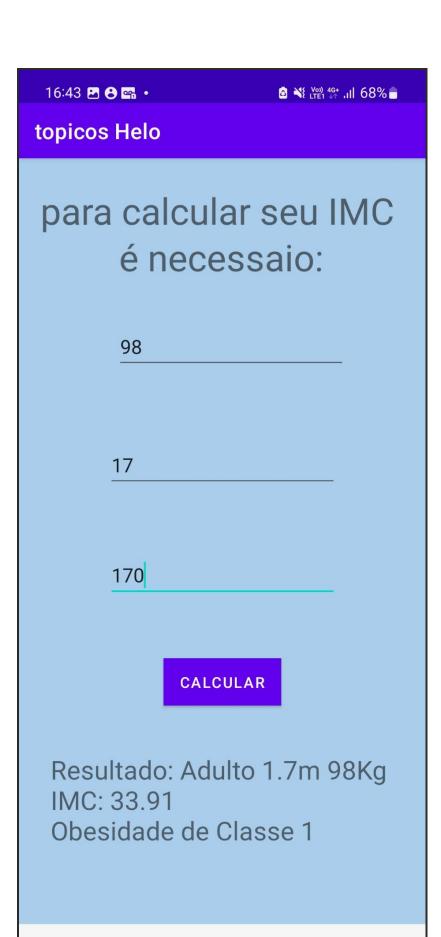
```
<EditText
    android:layout width="wrap content"
    android:layout marginTop="64dp"
    android:ems="10"
    android:inputType="textPersonName"
    app:layout constraintBottom toBottomOf="parent"
   app:layout constraintEnd toEndOf="parent"
   app:layout constraintHorizontal bias="0.502"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toBottomOf="@+id/editPeso"
   app:layout constraintVertical bias="0.019" />
<EditText
    android:layout width="wrap content
    android:layout height="wrap content
    android:layout marginTop="64dp"
   android:ems="10"
    android:hint="sua altura:(cm)"
    android:inputType="textPersonName"
   app:layout constraintEnd toEndOf="parent"
    app:layout constraintHorizontal bias="0.502"
    app:layout constraintStart toStartOf="parent
    app:layout constraintTop toBottomOf="@+id/editIdade" />
<TextView
    android:layout width="wrap content
   android:layout height="wrap content"
    android:textSize="24sp"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent
    app:layout_constraintTop toBottomOf="@+id/Calcular" />
<TextView
    android:id="@+id/textView2
    android:layout width="wrap_content"
    android:layout height="wrap content"
    android:text="para calcular seu IMC
    android:textSize="34sp"
    app:layout constraintStart toStartOf="parent"
```

```
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.038" />
```









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