SQLite

New Project

Templates

Phone and Tablet

Wear OS

Android TV

Automotive

Bottom Navigation Activity

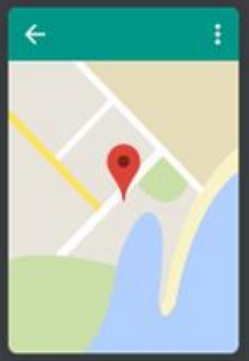
Empty Compose Activity

Empty Compose Activity (Material3)

Empty Activity

Fullscreen Activity

Google AdMob Ads Activity

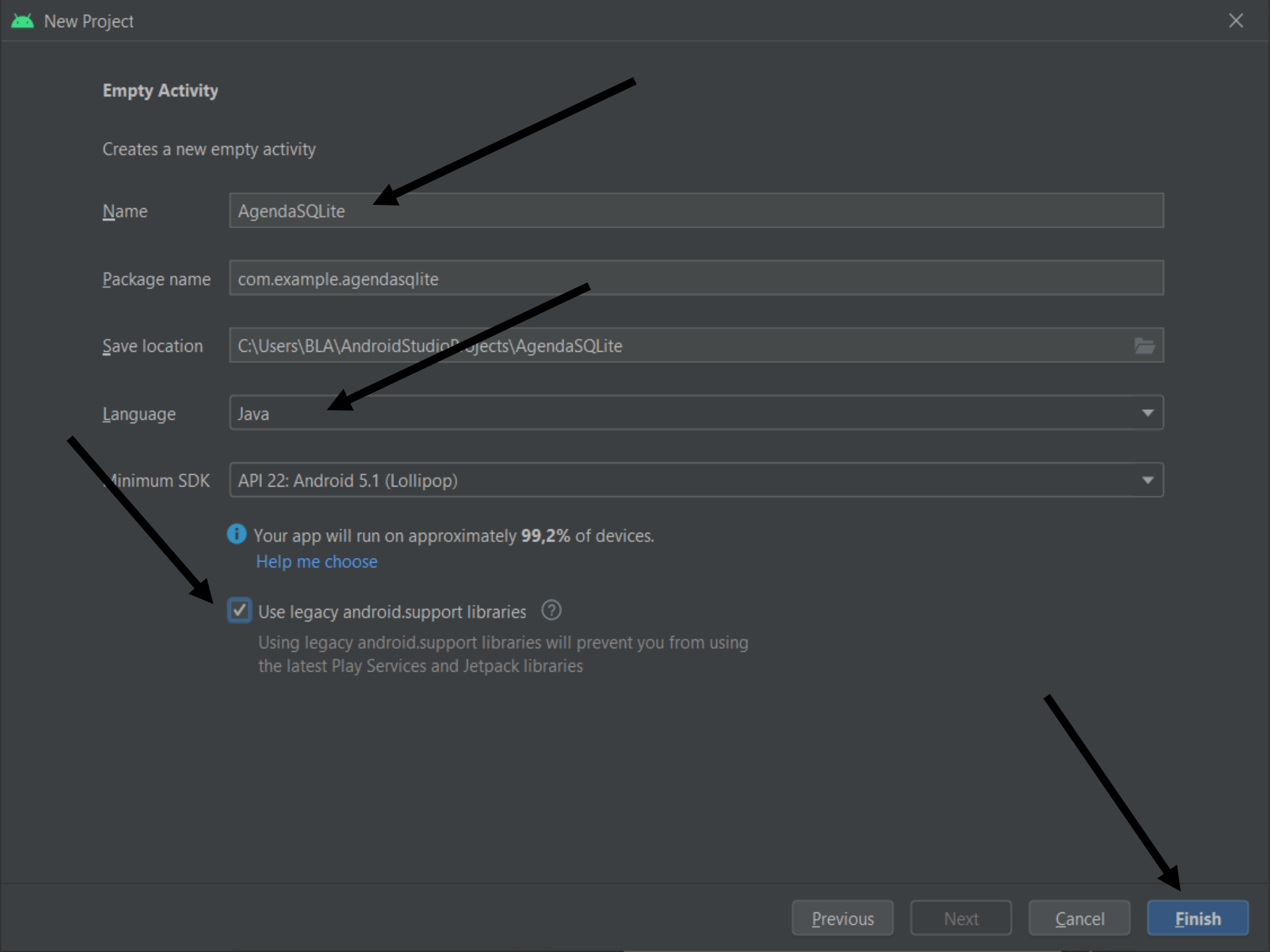


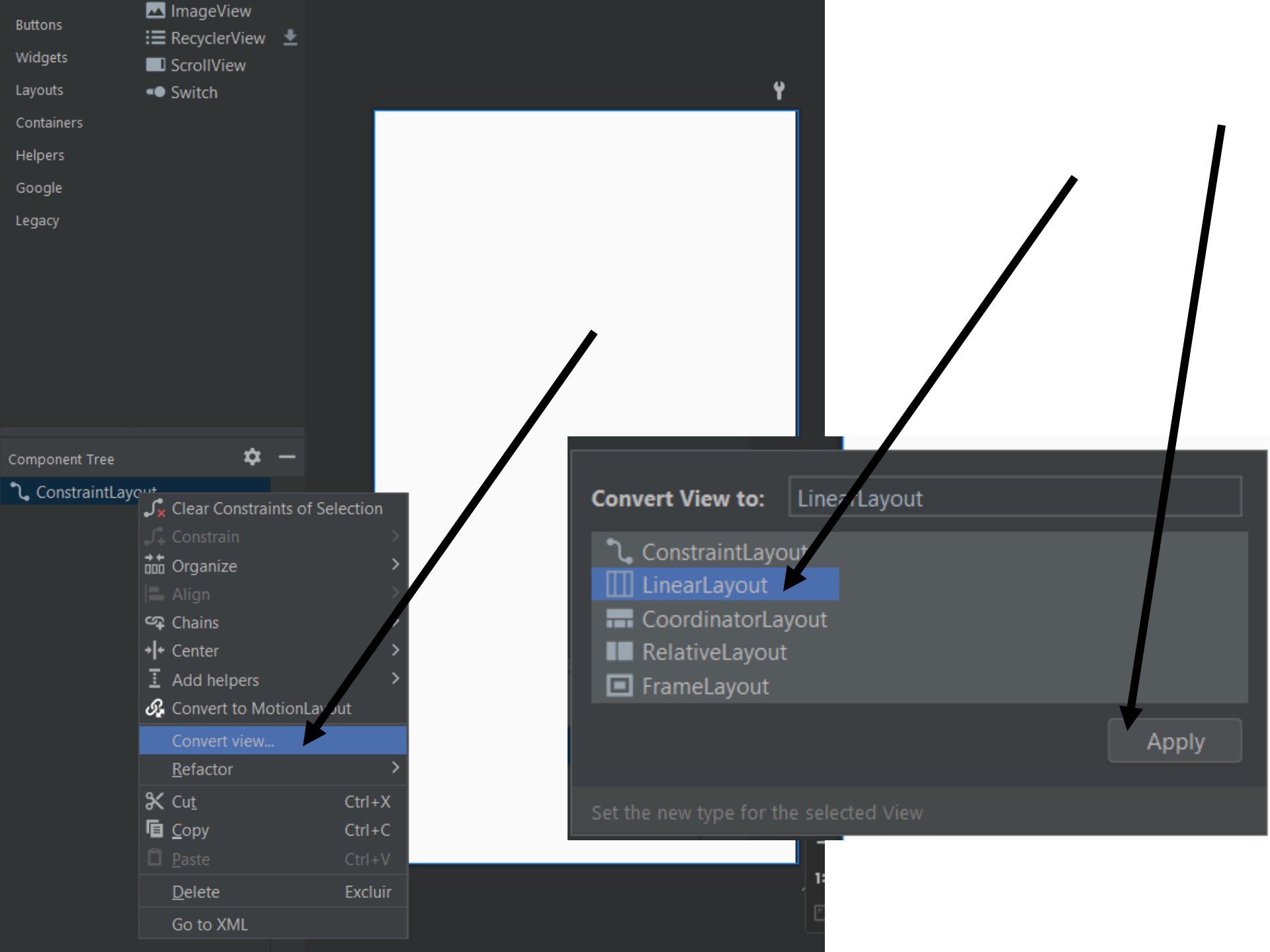
Google Maps Activity

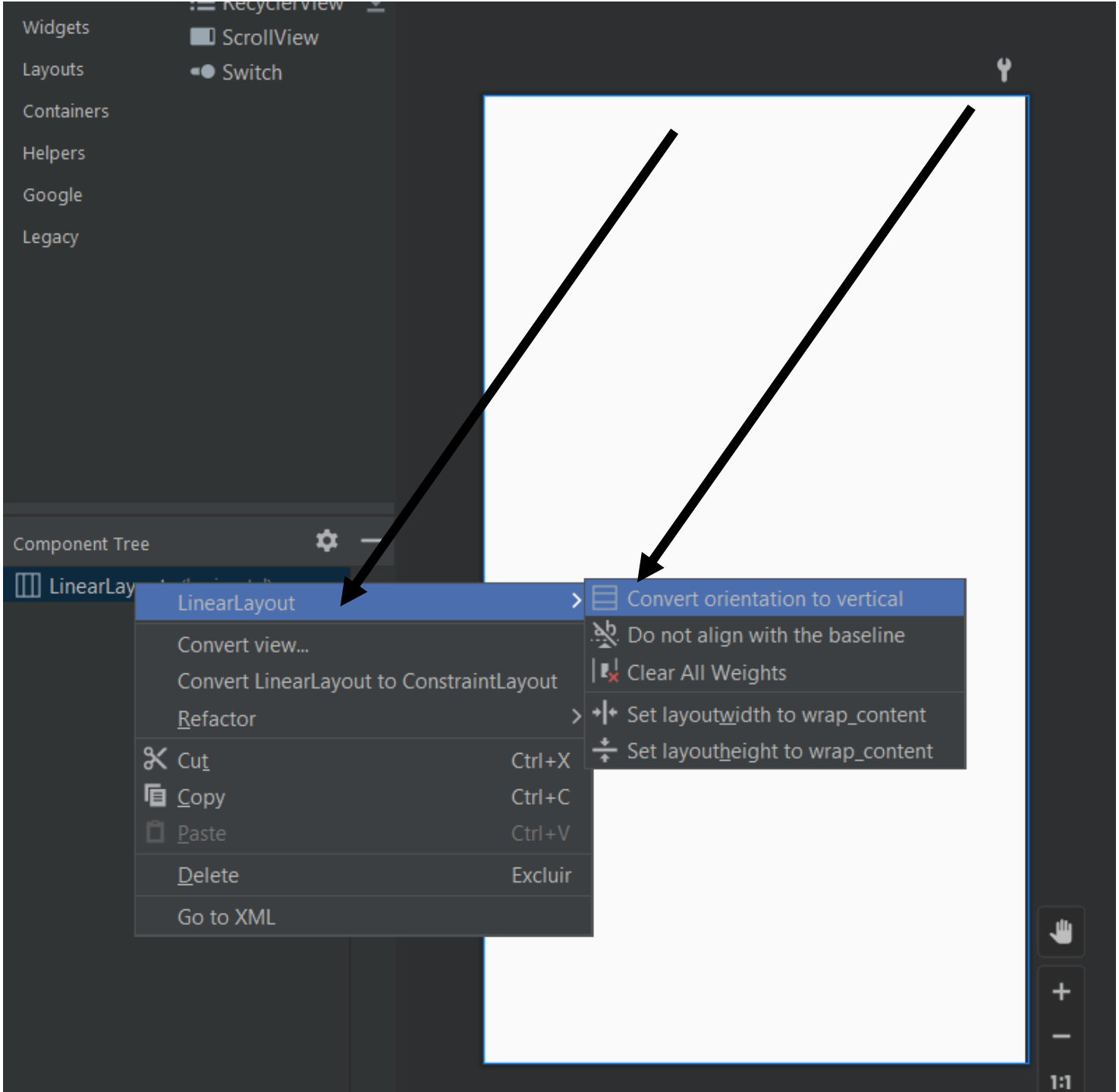
Google Pay Activity

Login Activity

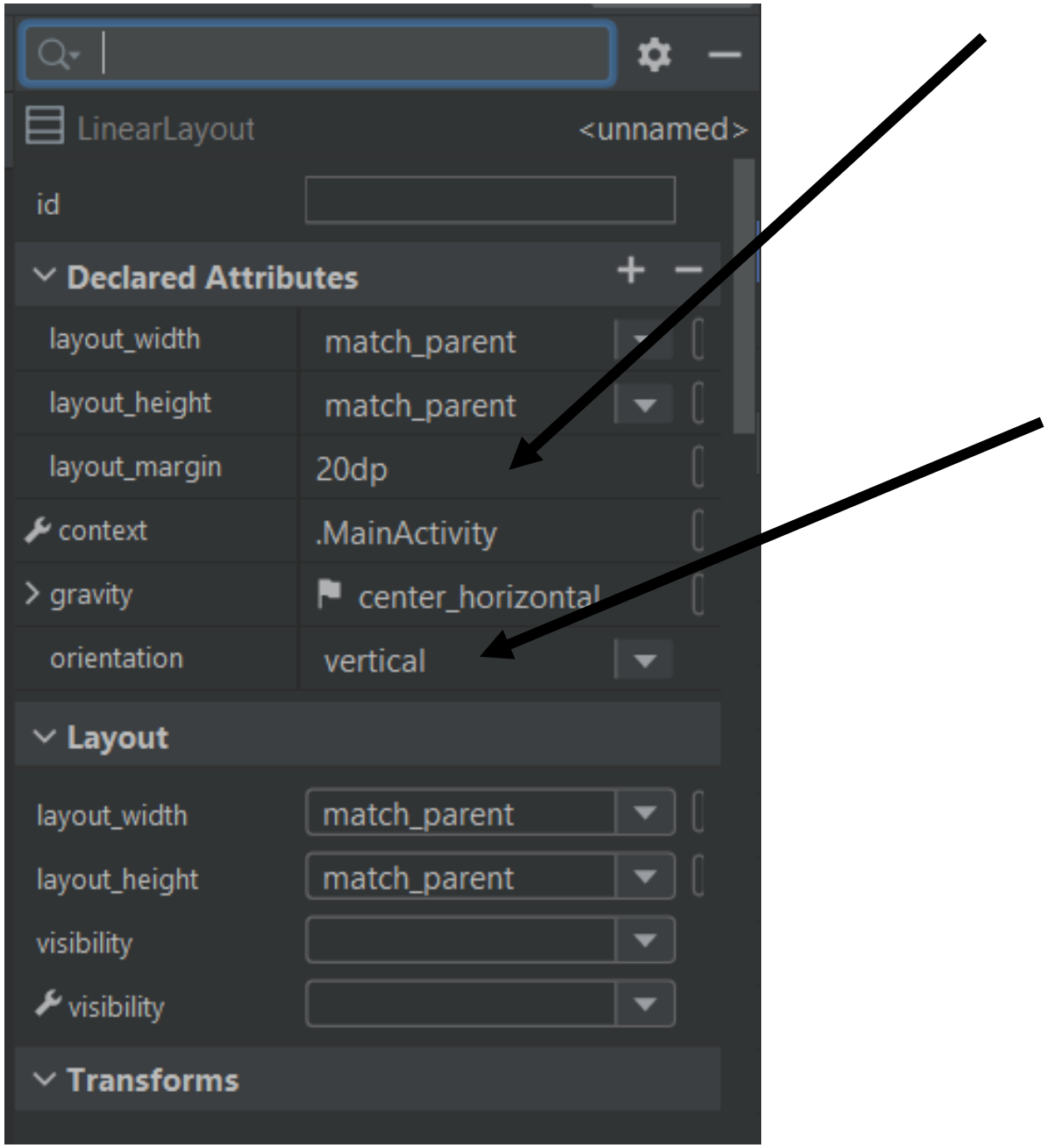
Previous | Next | Cancel | Finish

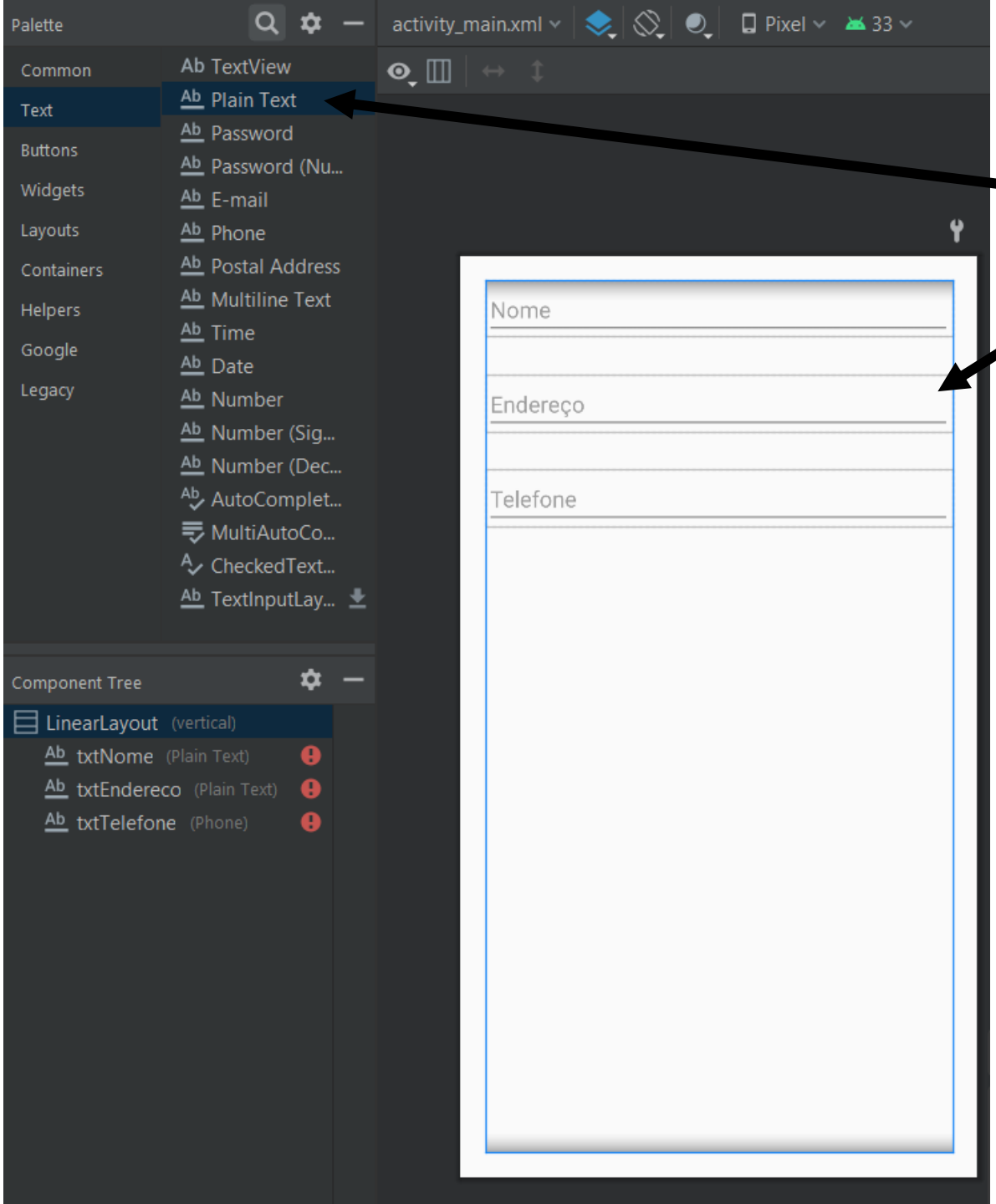

New Project
Empty Activity
Creates a new empty activity
Name
AgendaSQLite
Package name
com.example.agendasqlite
Save location
C:\Users\BLA\AndroidStudioProjects\AgendaSQLite
Language
Java
Minimum SDK
API 22: Android 5.1 (Lollipop)
Your app will run on approximately 99,2% of devices.
Help me choose
Use legacy android.support libraries
Using legacy android.support libraries will prevent you from using the latest Play Services and Jetpack libraries
Previous
Next
Cancel
Finish

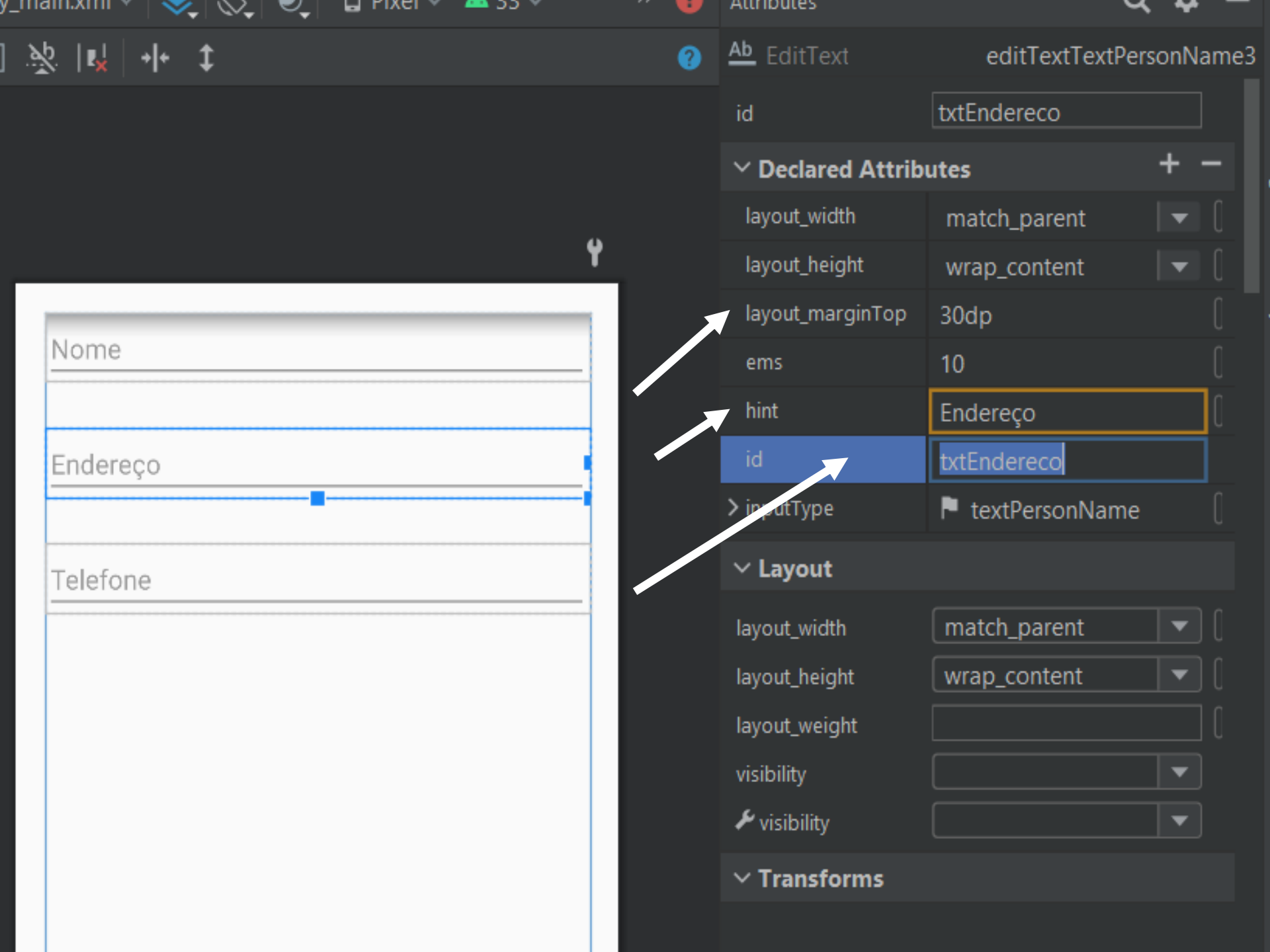

Buttons
Widgets
Layouts
Containers
Helpers
Google
Legacy
ImageView
RecyclerView
ScrollView
Switch
Component Tree
ConstraintLayout
Clear Constraints of Selection
Constrain
Organize
Align
Chains
Center
Add helpers
Convert to MotionLayout
Convert view...
Refactor
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Delete Excluir
Go to XML
Convert View to:
LinearLayout
ConstraintLayout
LinearLayout
CoordinatorLayout
RelativeLayout
FrameLayout
Apply
Set the new type for the selected View

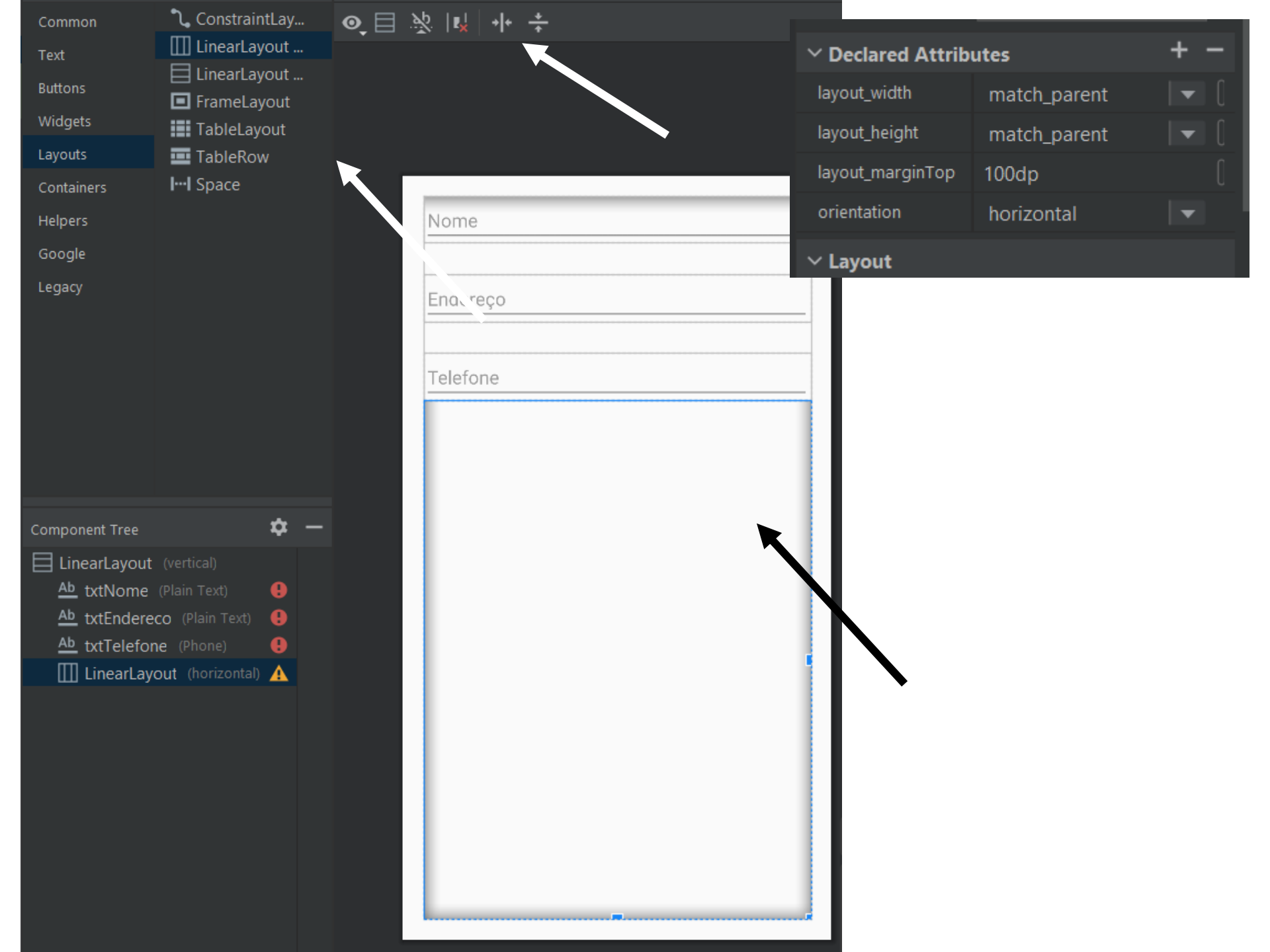

Widgets
Layouts
Containers
Helpers
Google
Legacy
ScrollView
Switch
Component Tree
LinearLay
LinearLayout
Convert view...
Convert LinearLayout to ConstraintLayout
Refactor
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Delete Excluir
Go to XML
Convert orientation to vertical
Do not align with the baseline
Clear All Weights
Set layoutwidth to wrap_content
Set layoutheight to wrap_content
1:1

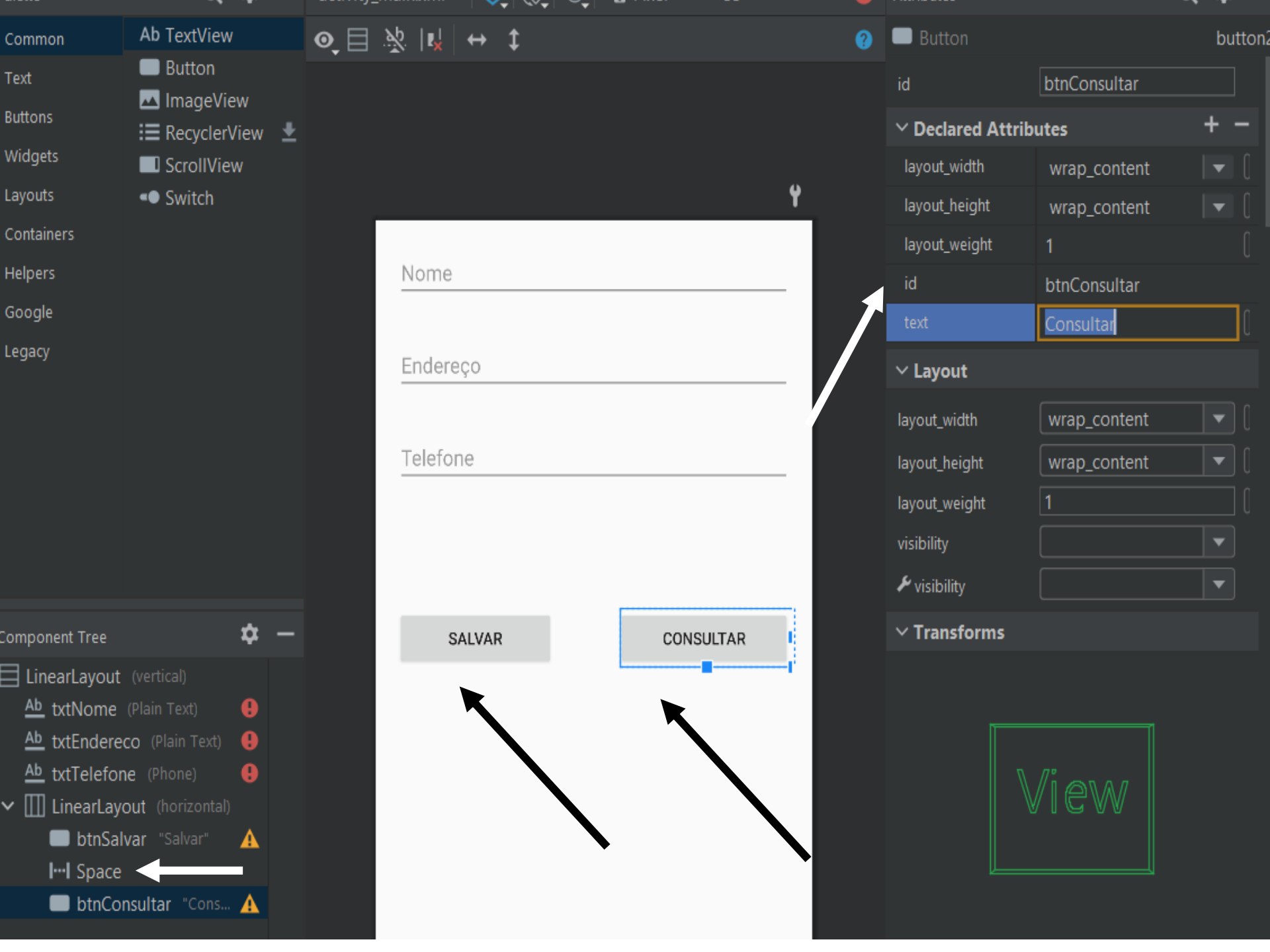
Propriedades da Activity

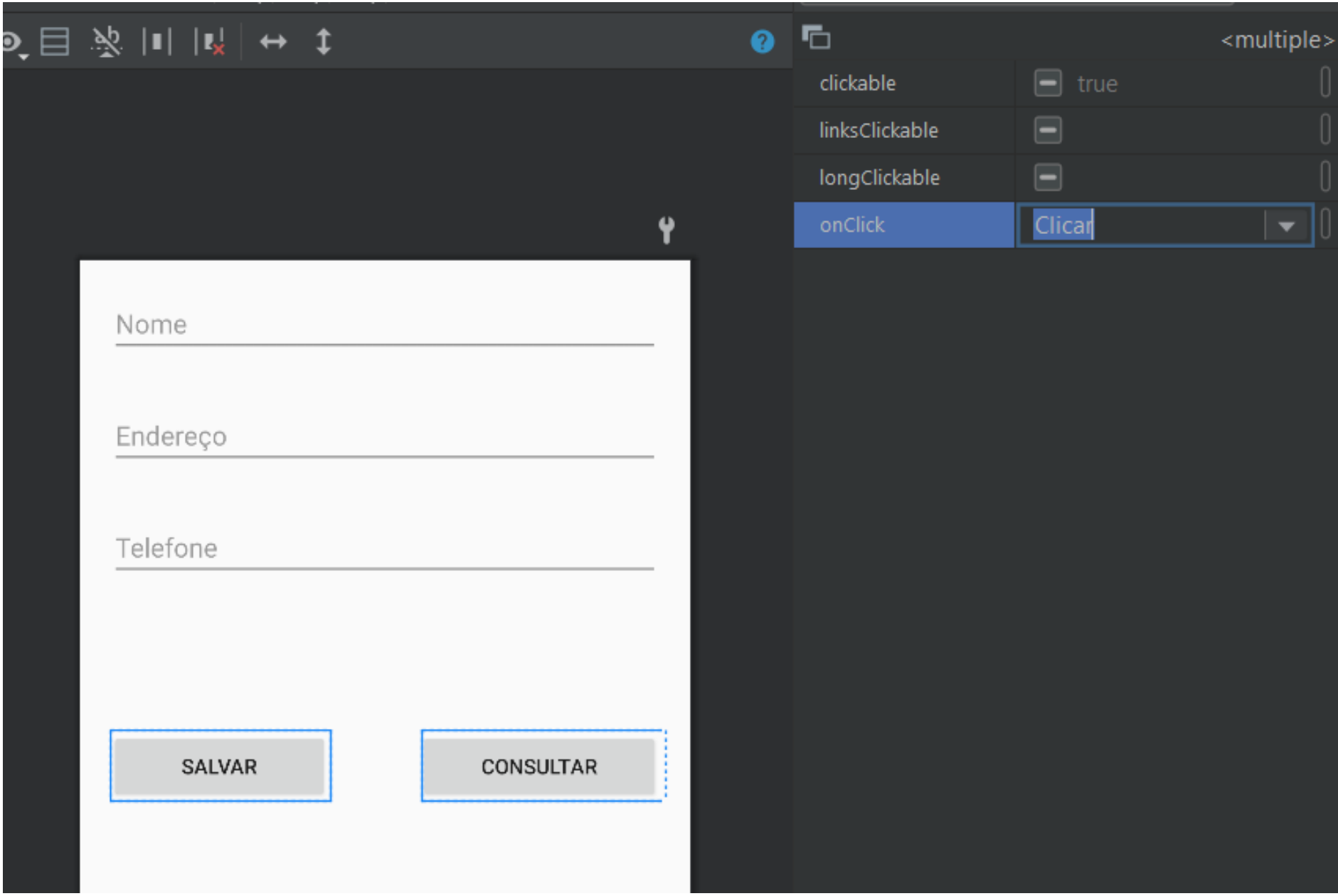



Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Helpers
Google
Legacy
TextView
Plain Text
Password
Password (Nu...
E-mail
Phone
Postal Address
Multiline Text
Time
Date
Number
Number (Sig...
Number (Dec...
AutoComplet...
MultiAutoCo...
CheckedText...
TextInputLay...
Component Tree
LinearLayout (vertical)
txtNome (Plain Text)
txtEndereco (Plain Text)
txtTelefone (Phone)
activity_main.xml
Pixel
33
Nome
Endereço
Telefone


Nome
Endereço
Telefone
Attributes
EditText
editTextTextPersonName3
id
txtEndereco
Declared Attributes
layout_width
match_parent
layout_height
wrap_content
layout_marginTop
30dp
ems
10
hint
Endereço
id
txtEndereco
inputType
textPersonName
Layout
layout_width
match_parent
layout_height
wrap_content
layout_weight
visibility
visibility
Transforms


Common
Text
Buttons
Widgets
Layouts
Containers
Helpers
Google
Legacy
ConstraintLay...
LinearLayout ...
LinearLayout ...
FrameLayout
TableLayout
TableRow
Space
Component Tree
LinearLayout (vertical)
txtNome (Plain Text)
txtEndereco (Plain Text)
txtTelefone (Phone)
LinearLayout (horizontal)
Nome
Endereço
Telefone
Declared Attributes
layout_width
match_parent
layout_height
match_parent
layout_marginTop
100dp
orientation
horizontal
Layout


Common
Text
Buttons
Widgets
Layouts
Containers
Helpers
Google
Legacy
Ab TextView
Button
ImageView
RecyclerView
ScrollView
Switch
Nome
Endereço
Telefone
SALVAR
CONSULTAR
Component Tree
LinearLayout (vertical)
txtNome (Plain Text)
txtEndereco (Plain Text)
txtTelefone (Phone)
LinearLayout (horizontal)
btnSalvar "Salvar"
Space
btnConsultar "Cons...
Button
button2
id
btnConsultar
Declared Attributes
layout_width
wrap_content
layout_height
wrap_content
layout_weight
1
id
btnConsultar
text
Consultar
Layout
layout_width
wrap_content
layout_height
wrap_content
layout_weight
1
visibility
visibility
Transforms
View


<multiple>
clickable
true
linksClickable
longClickable
onClick
Clicar
Nome
Endereço
Telefone
SALVAR
CONSULTAR

```
public class MainActivity extends AppCompatActivity {
    EditText nome, endereco, telefone;
    Button salvar, consultar;
    SQLiteDatabase BancoSQLite;
@Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        nome = findViewById(R.id.txtNome);
        endereco = findViewById(R.id.txtEndereco);
        telefone = findViewById(R.id.txtTelefone);
        salvar = findViewById(R.id.btnSalvar);
        consultar = findViewById(R.id.btnConsultar);
     //continua aqui!!!
```

```
setTitle("Cadastro");

BancoSQLite=openOrCreateDatabase
                ("AulaDB", Context.MODE_PRIVATE, null);


BancoSQLite.execSQL
("CREATE TABLE IF NOT EXISTS Aula
(Id INTEGER PRIMARY KEY AUTOINCREMENT,
 Nome VARCHAR,
 Endereco VARCHAR,
 Telefone VARCHAR);");

}//fim do construtor
```

Métodos

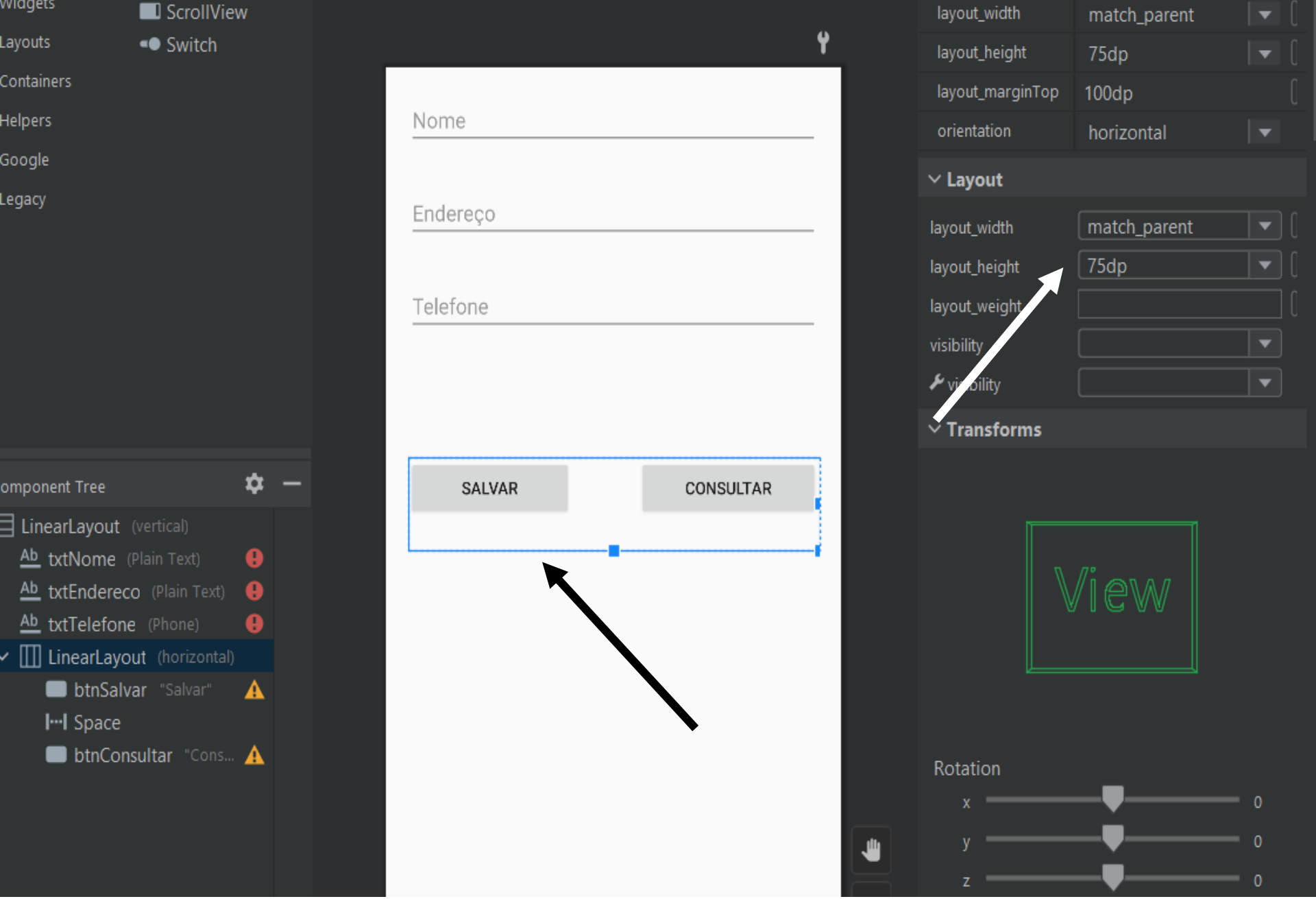
```
public void mensagem(String str) {
   Toast.makeText(this,str,Toast.LENGTH_LONG).show();
 }
```

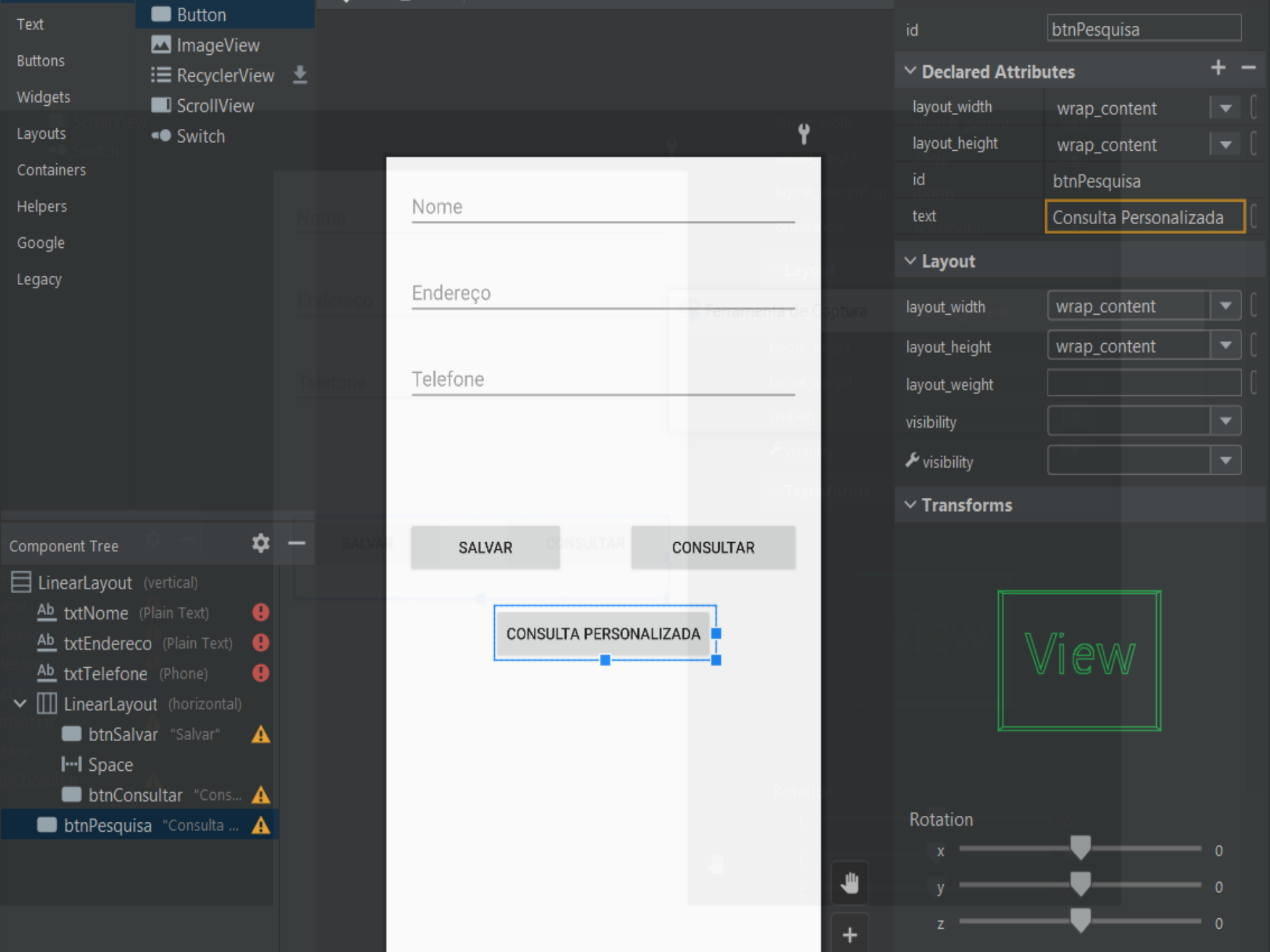
```
public void Clicar(View v) {
      if (v.getId() == R.id.btnSalvar) {
         if (nome.getText().toString().isEmpty() ||
             endereco.getText().toString().isEmpty() ||
             telefone.getText().toString().isEmpty()) {
            mensagem("Preencha os Campos");

         }
        else{
            //programação no próximo slide
         }

      } else if (v.getId() == R.id.btnConsultar) {
      }
}//fim do Método
```

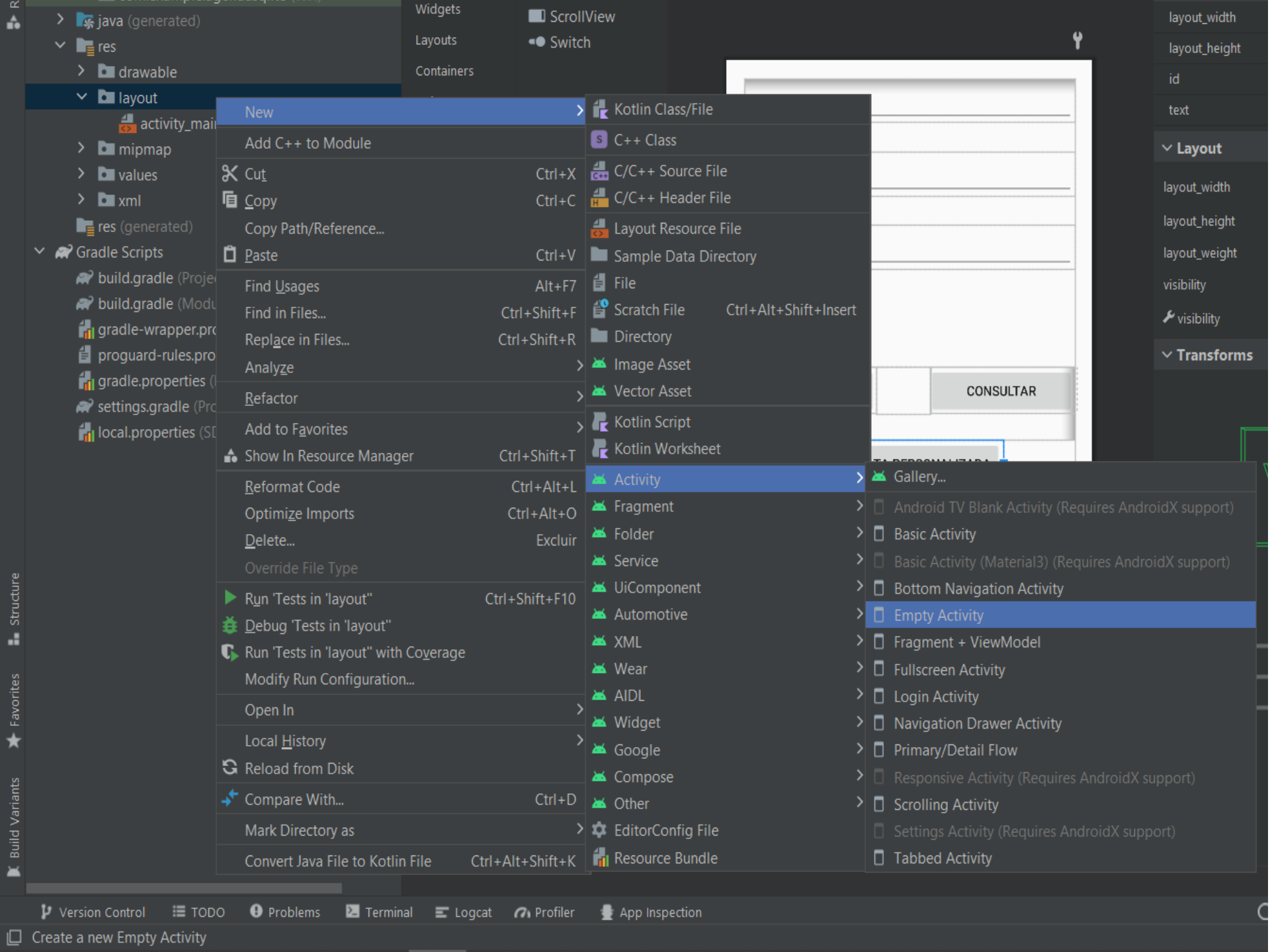
```
BancoSQLite.execSQL (
"INSERT INTO Aula(Nome, Endereco, Telefone)
VALUES
('"+ nome.getText()+"',
  '"+endereco.getText()+"',
  '"+telefone.getText()+"');");

mensagem("Dados Salvos");

nome.setText("");
endereco.setText("");
telefone.setText("");
nome.requestFocus();
```

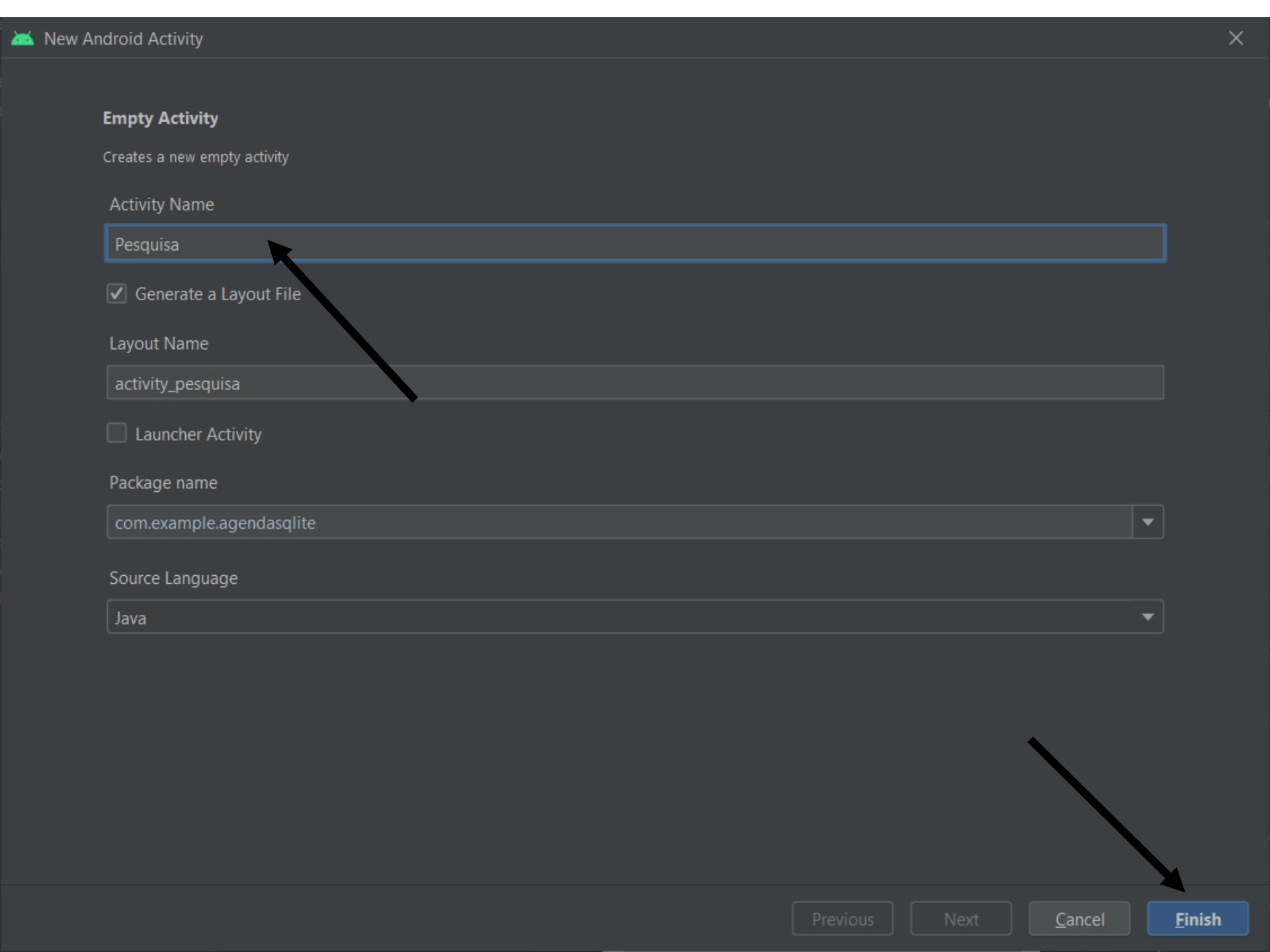
' " ++ " '

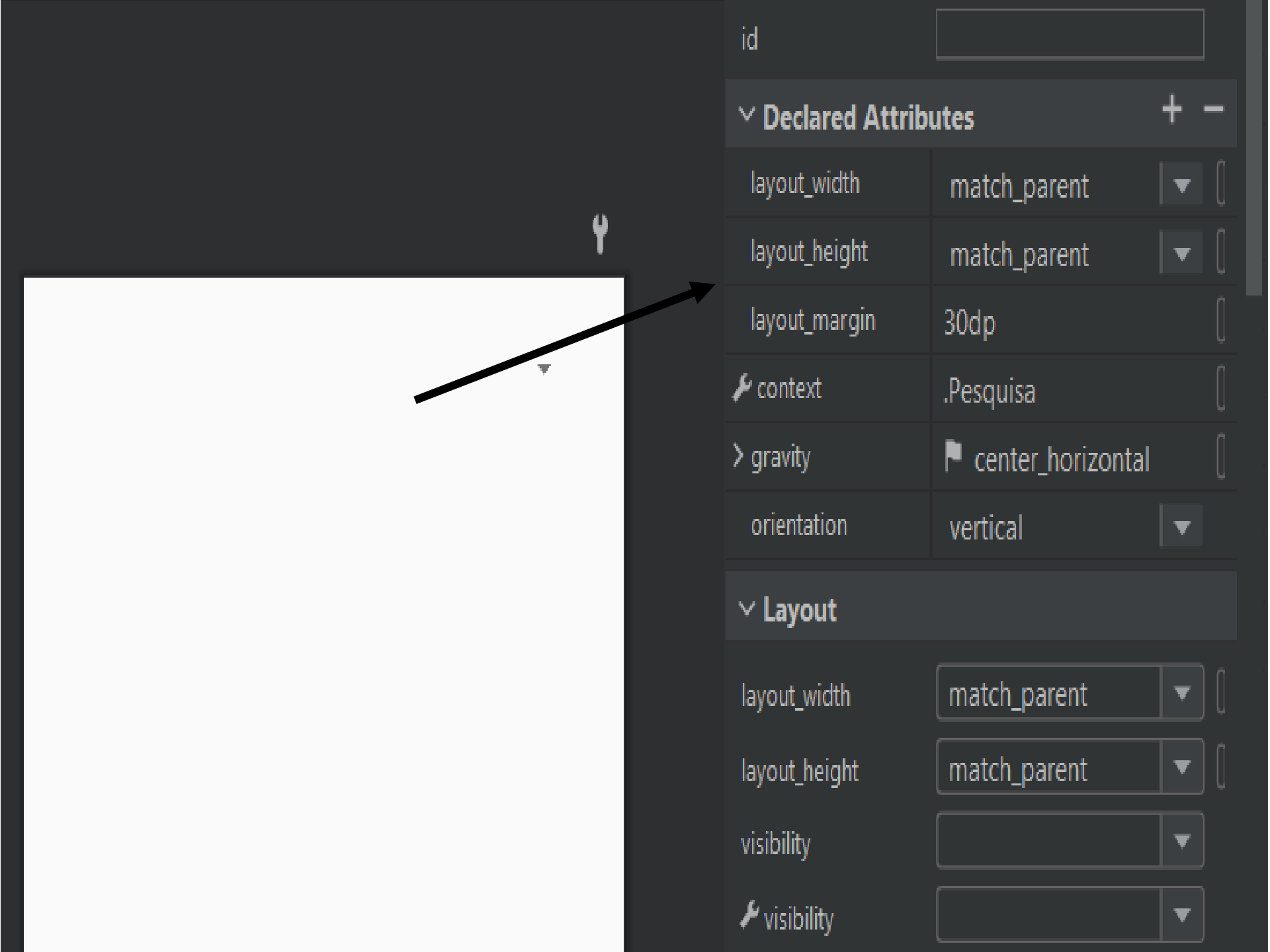
```
else if (v.getId() == R.id.btnConsultar) {

 Cursor c = BancoSQLite.rawQuery("SELECT * FROM Aula", null);
        if (c.getCount() == 0) {
            mensagem("arquivo não encontrado");

        } else {
            StringBuffer buffer = new StringBuffer();
            while (c.moveToNext()) {
                buffer.append("Nome: " + c.getString(1) + "\n");
                buffer.append("Endereço: " + c.getString(2) + "\n");
                buffer.append("Telefone: " + c.getString(3) +
                                "\n\n-------------------------------\n");
            }
            mensagem(buffer.toString());
        }
}
```

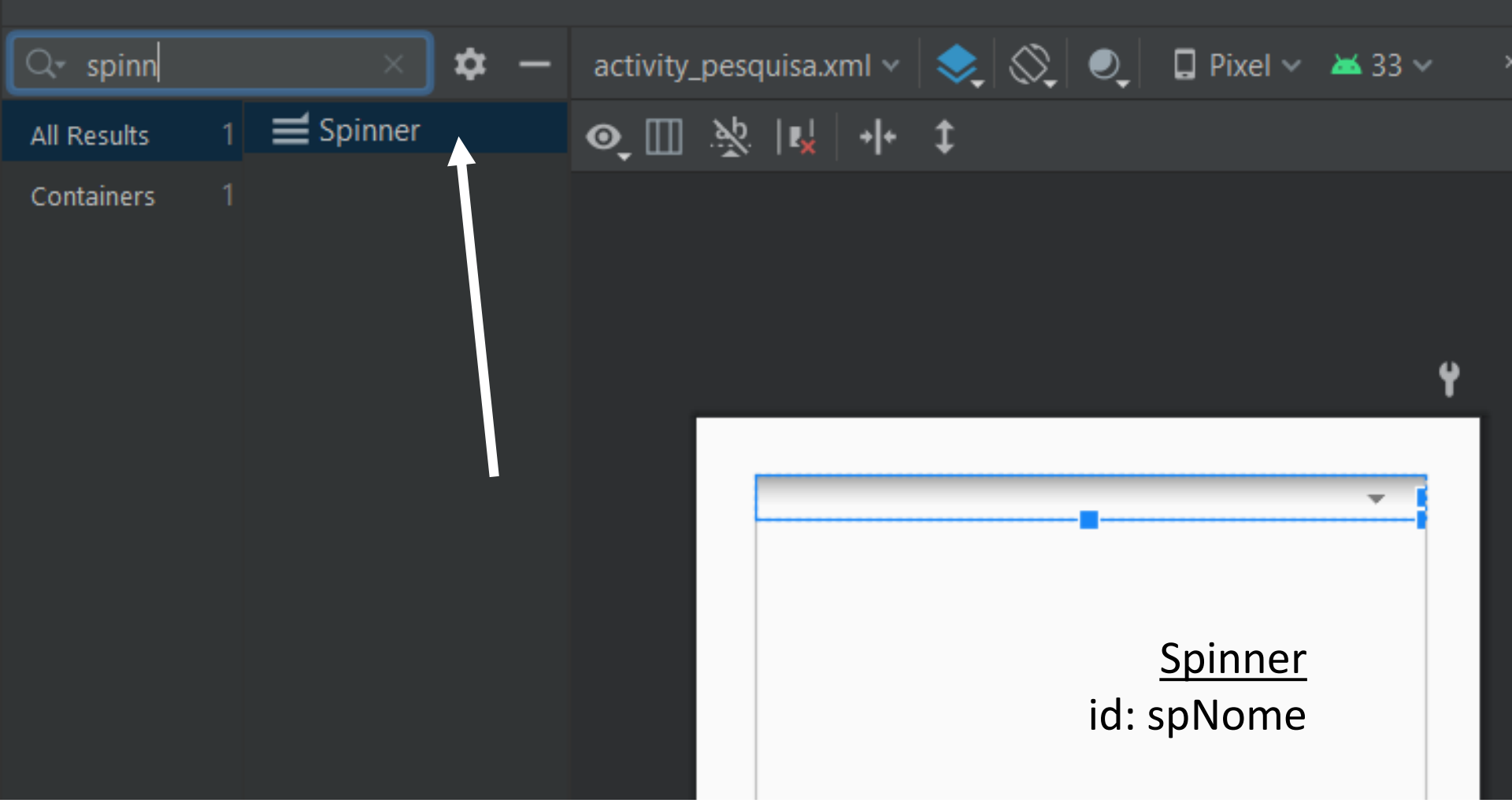

ScrollView
Switch
Layouts
Containers
Helpers
Google
Legacy
Nome
Endereço
Telefone
SALVAR
CONSULTAR
omponent Tree
LinearLayout (vertical)
txtNome (Plain Text)
txtEndereco (Plain Text)
txtTelefone (Phone)
LinearLayout (horizontal)
btnSalvar "Salvar"
Space
btnConsultar "Cons...
layout_width match_parent
layout_height 75dp
layout_marginTop 100dp
orientation horizontal
Layout
layout_width match_parent
layout_height 75dp
layout_weight
visibility
Transforms
View
Rotation
x 0
y 0
z 0

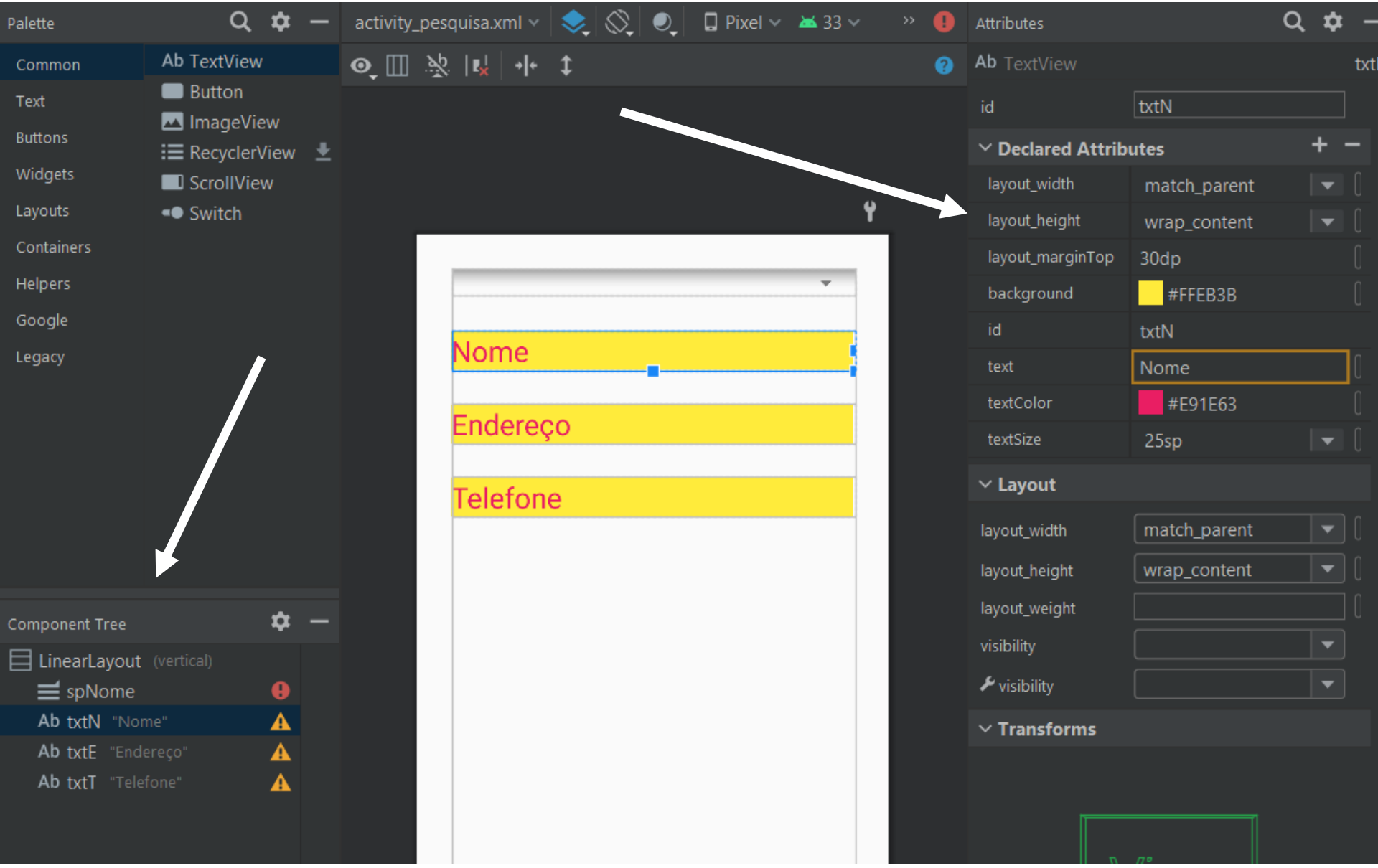

Text
Buttons
Widgets
Layouts
Containers
Helpers
Google
Legacy
Button
ImageView
RecyclerView
ScrollView
Switch
Nome
Endereço
Telefone
SALVAR
CONSULTAR
CONSULTA PERSONALIZADA
Component Tree
LinearLayout (vertical)
txtNome (Plain Text)
txtEndereco (Plain Text)
txtTelefone (Phone)
LinearLayout (horizontal)
btnSalvar "Salvar"
Space
btnConsultar "Cons...
btnPesquisa "Consulta ...
id
btnPesquisa
Declared Attributes
layout_width
wrap_content
layout_height
wrap_content
id
btnPesquisa
text
Consulta Personalizada
Layout
layout_width
wrap_content
layout_height
wrap_content
layout_weight
visibility
visibility
Transforms
View
Rotation
x
0
y
0
z
0


java (generated)
res
drawable
layout
activity_mai
mipmap
values
xml
res (generated)
Gradle Scripts
build.gradle (Proje
build.gradle (Modu
gradle-wrapper.pro
proguard-rules.pro
gradle.properties
settings.gradle (Pro
local.properties (SD
Widgets
Layouts
Containers
ScrollView
Switch
CONSULTAR
layout_width
layout_height
id
text
Layout
layout_width
layout_height
layout_weight
visibility
visibility
Transforms
New
Add C++ to Module
Cut Ctrl+X
Copy Ctrl+C
Copy Path/Reference...
Paste Ctrl+V
Find Usages Alt+F7
Find in Files... Ctrl+Shift+F
Replace in Files... Ctrl+Shift+R
Analyze
Refactor
Add to Favorites
Show In Resource Manager Ctrl+Shift+T
Reformat Code Ctrl+Alt+L
Optimize Imports Ctrl+Alt+O
Delete... Excluir
Override File Type
Run 'Tests in 'layout'' Ctrl+Shift+F10
Debug 'Tests in 'layout''
Run 'Tests in 'layout'' with Coverage
Modify Run Configuration...
Open In
Local History
Reload from Disk
Compare With... Ctrl+D
Mark Directory as
Convert Java File to Kotlin File Ctrl+Alt+Shift+K
Kotlin Class/File
C++ Class
C/C++ Source File
C/C++ Header File
Layout Resource File
Sample Data Directory
File
Scratch File Ctrl+Alt+Shift+Insert
Directory
Image Asset
Vector Asset
Kotlin Script
Kotlin Worksheet
Activity
Fragment
Folder
Service
UiComponent
Automotive
XML
Wear
AIDL
Widget
Google
Compose
Other
EditorConfig File
Resource Bundle
Gallery...
Android TV Blank Activity (Requires AndroidX support)
Basic Activity
Basic Activity (Material3) (Requires AndroidX support)
Bottom Navigation Activity
Empty Activity
Fragment + ViewModel
Fullscreen Activity
Login Activity
Navigation Drawer Activity
Primary/Detail Flow
Responsive Activity (Requires AndroidX support)
Scrolling Activity
Settings Activity (Requires AndroidX support)
Tabbed Activity
Structure
Favorites
Build Variants
Version Control
TODO
Problems
Terminal
Logcat
Profiler
App Inspection
Create a new Empty Activity


New Android Activity
Empty Activity
Creates a new empty activity
Activity Name
Pesquisa
Generate a Layout File
Layout Name
activity_pesquisa
Launcher Activity
Package name
com.example.agendasqlite
Source Language
Java
Previous
Next
Cancel
Finish


id
Declared Attributes
layout_width
match_parent
layout_height
match_parent
layout_margin
30dp
context
.Pesquisa
gravity
center_horizontal
orientation
vertical
Layout
layout_width
match_parent
layout_height
match_parent
visibility
visibility


spinn
All Results 1
Containers 1
Spinner
activity_pesquisa.xml
Pixel
33
Spinner
id: spNome


Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Helpers
Google
Legacy
Ab TextView
Button
ImageView
RecyclerView
ScrollView
Switch
activity_pesquisa.xml
Pixel
33
Nome
Endereço
Telefone
Component Tree
LinearLayout (vertical)
spNome
Ab txtN "Nome"
Ab txtE "Endereço"
Ab txtT "Telefone"
Attributes
Ab TextView
id
txtN
Declared Attributes
layout_width
match_parent
layout_height
wrap_content
layout_marginTop
30dp
background
#FFEB3B
id
txtN
text
Nome
textColor
#E91E63
textSize
25sp
Layout
layout_width
match_parent
layout_height
wrap_content
layout_weight
visibility
visibility
Transforms

```
public class Pesquisa extends AppCompatActivity {

    ArrayAdapter<String> ListaAgenda;
    String[] AgendaNome;
    TextView nome, endereco, telefone;
    SQLiteDatabase BancoSQLite;
    Spinner sn;
```

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_pesquisa);

    BancoSQLite=openOrCreateDatabase
                    ("AulaDB", Context.MODE_PRIVATE, null);
    sn = findViewById(R.id.spNome);

    nome = findViewById(R.id.txtN);
    endereco = findViewById(R.id.txtE);
    telefone = findViewById(R.id.txtT);
    preencher();

}
```

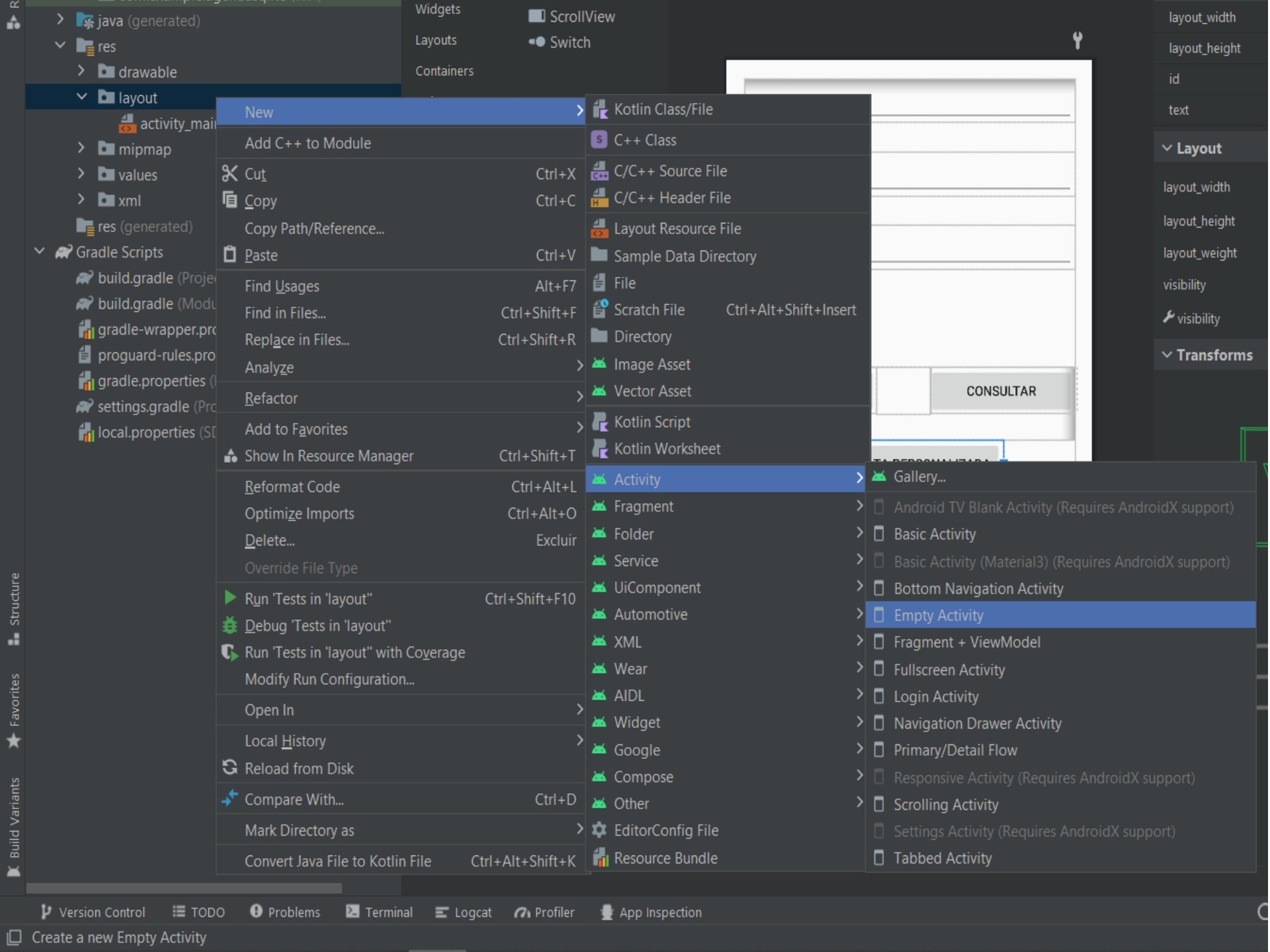
```
public void preencher(){

    Cursor c = BancoSQLite.rawQuery
            ("SELECT * FROM Aula order by nome", null);
    AgendaNome = new String[c.getCount()];
    int i=0;
    while (c.moveToNext()) {
        AgendaNome[i]=c.getString(1).toString();
        i++;
     }

    ListaAgenda = new ArrayAdapter<String>
        (this,android.R.layout.simple_spinner_dropdown_item,
         AgendaNome);
    sn.setAdapter(ListaAgenda);
  }
}
```

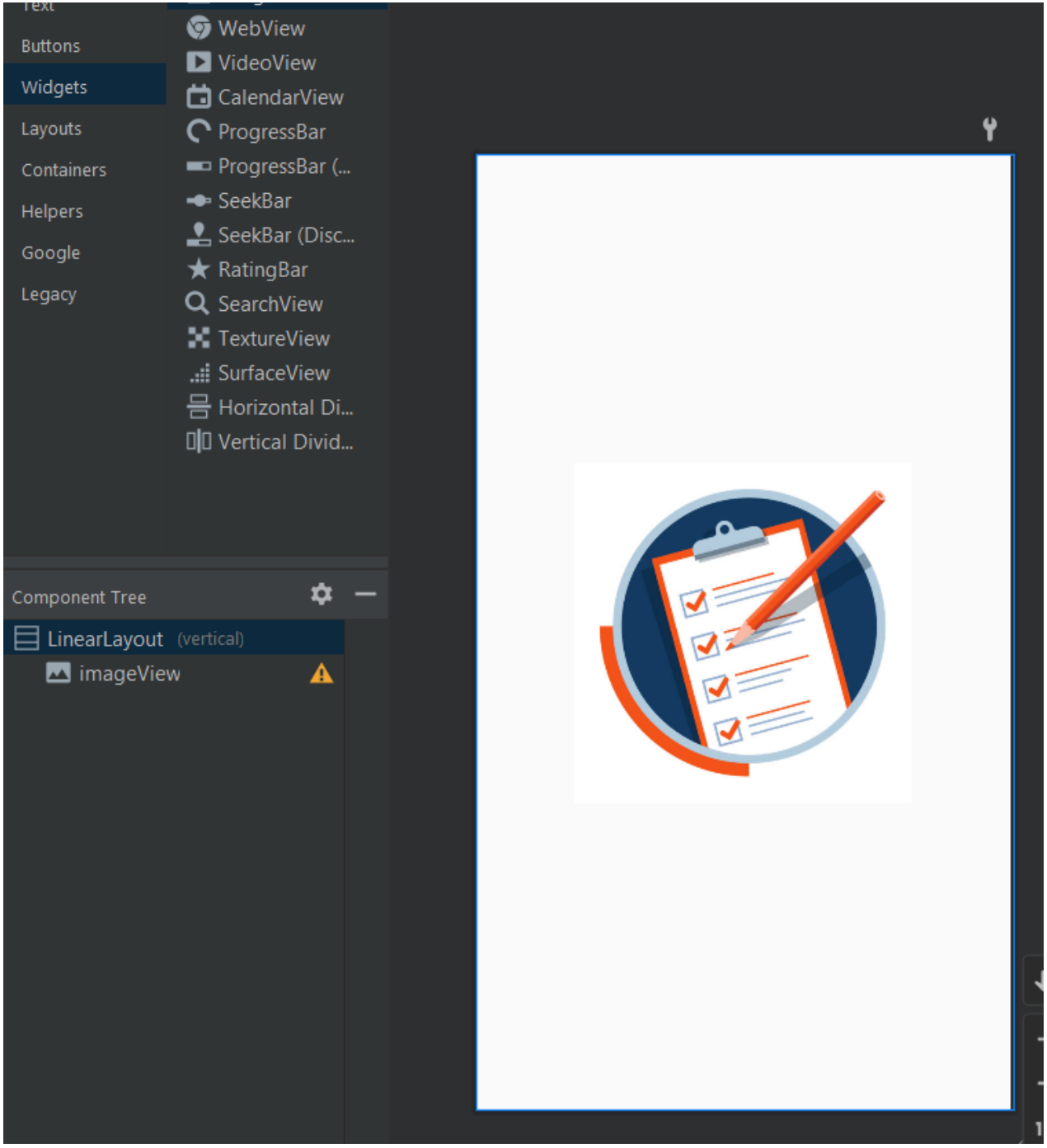
Inserir no MainActivity e ligar ao Botão

```
public void pesquisa(View v){
        Intent troca = new Intent(MainActivity.this, Pesquisa.class);
        startActivity(troca);
        finish();
    }
```

Pesquisa (java)

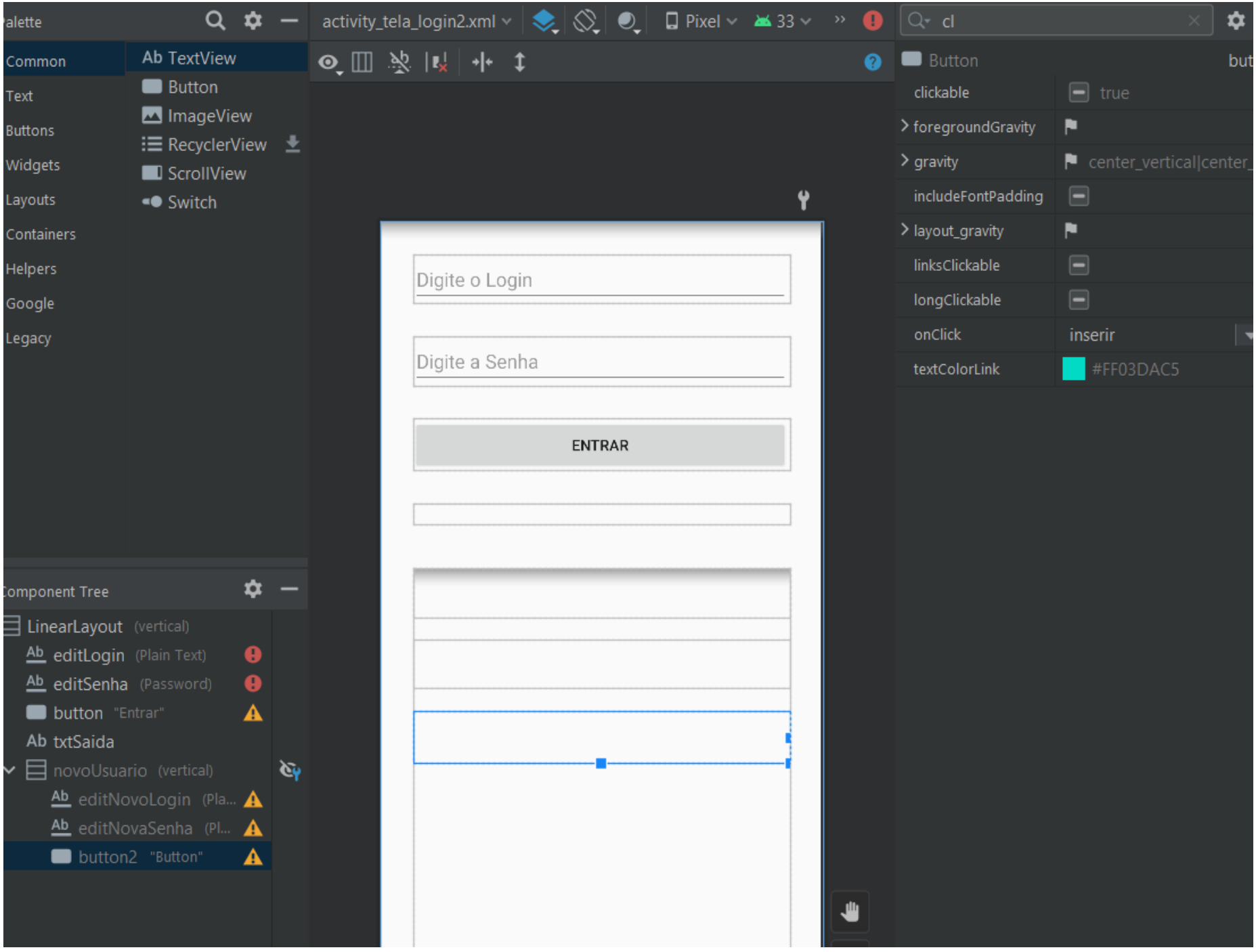
```
sn.setOnItemSelectedListener
(new AdapterView.OnItemSelectedListener() {
        public void onItemSelected
                (AdapterView parent,View view, int pos, long id) {
           String nomeL;
           nomeL = parent.getItemAtPosition(pos).toString();
           Cursor c2 = BancoSQLite.rawQuery
                ("SELECT * FROM Aula where nome='"+nomeL+"'", null);
           if(c2.moveToNext()) {
              nome.setText(c2.getString(1).toString());
              endereco.setText(c2.getString(2).toString());
              telefone.setText(c2.getString(3).toString());
           }
        }
        public void onNothingSelected(AdapterView parent){}
    });
```


java (generated)
res
drawable
layout
activity_mai
mipmap
values
xml
res (generated)
Gradle Scripts
build.gradle (Proje
build.gradle (Modu
gradle-wrapper.pro
proguard-rules.pro
gradle.properties
settings.gradle (Pro
local.properties (SD
Widgets
Layouts
Containers
ScrollView
Switch
CONSULTAR
layout_width
layout_height
id
text
Layout
layout_width
layout_height
layout_weight
visibility
visibility
Transforms
New
Add C++ to Module
Cut Ctrl+X
Copy Ctrl+C
Copy Path/Reference...
Paste Ctrl+V
Find Usages Alt+F7
Find in Files... Ctrl+Shift+F
Replace in Files... Ctrl+Shift+R
Analyze
Refactor
Add to Favorites
Show In Resource Manager Ctrl+Shift+T
Reformat Code Ctrl+Alt+L
Optimize Imports Ctrl+Alt+O
Delete... Excluir
Override File Type
Run 'Tests in 'layout'' Ctrl+Shift+F10
Debug 'Tests in 'layout''
Run 'Tests in 'layout'' with Coverage
Modify Run Configuration...
Open In
Local History
Reload from Disk
Compare With... Ctrl+D
Mark Directory as
Convert Java File to Kotlin File Ctrl+Alt+Shift+K
Kotlin Class/File
C++ Class
C/C++ Source File
C/C++ Header File
Layout Resource File
Sample Data Directory
File
Scratch File Ctrl+Alt+Shift+Insert
Directory
Image Asset
Vector Asset
Kotlin Script
Kotlin Worksheet
Activity
Fragment
Folder
Service
UiComponent
Automotive
XML
Wear
AIDL
Widget
Google
Compose
Other
EditorConfig File
Resource Bundle
Gallery...
Android TV Blank Activity (Requires AndroidX support)
Basic Activity
Basic Activity (Material3) (Requires AndroidX support)
Bottom Navigation Activity
Empty Activity
Fragment + ViewModel
Fullscreen Activity
Login Activity
Navigation Drawer Activity
Primary/Detail Flow
Responsive Activity (Requires AndroidX support)
Scrolling Activity
Settings Activity (Requires AndroidX support)
Tabbed Activity
Structure
Favorites
Build Variants
Version Control
TODO
Problems
Terminal
Logcat
Profiler
App Inspection
Create a new Empty Activity


Buttons
Widgets
Layouts
Containers
Helpers
Google
Legacy
WebView
VideoView
CalendarView
ProgressBar
ProgressBar (...
SeekBar
SeekBar (Disc...
RatingBar
SearchView
TextureView
SurfaceView
Horizontal Di...
Vertical Divid...
Component Tree
LinearLayout (vertical)
imageView

Splash

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_act_splash);

    new Handler().postDelayed(new Runnable() {
        @Override
        public void run() {
            Intent intensao = new Intent(ActSplash.this, MainActivity.class);
            startActivity(intensao);
            finish();
        }
    }, 3000);
}
```


Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Helpers
Google
Legacy
Ab TextView
Button
ImageView
RecyclerView
ScrollView
Switch
activity_tela_login2.xml
Pixel
33
cl
Button
clickable
true
foregroundGravity
gravity
center_vertical|center_
includeFontPadding
layout_gravity
linksClickable
longClickable
onClick
inserir
textColorLink
#FF03DAC5
Digite o Login
Digite a Senha
ENTRAR
Component Tree
LinearLayout (vertical)
editLogin (Plain Text)
editSenha (Password)
button "Entrar"
txtSaida
novoUsuario (vertical)
editNovoLogin (Pla...
editNovaSenha (Pl...
button2 "Button"

```
public class telaLogin2 extends AppCompatActivity {

    EditText senha, login, novoLogin, novaSenha;
    TextView txtSaida;
    View novoUsuario;
    SQLiteDatabase BancoSQLite;
```

```
@Override
  protected void onCreate(Bundle savedInstanceState) {
     super.onCreate(savedInstanceState);
     setContentView(R.layout.activity_tela_login2);

     novoUsuario= findViewById(R.id.fundo);
     login = findViewById(R.id.editUsuario);
     senha = findViewById(R.id.editSenha);
     novoLogin = findViewById(R.id.editNovoUsuario);
     novaSenha = findViewById(R.id.editNovaSenha);
     txtSaida = findViewById(R.id.txtSaida);

//Continua
```

```
setTitle("Login");

BancoSQLite=openOrCreateDatabase
                ("AulaDB", Context.MODE_PRIVATE, null);


BancoSQLite.execSQL
          ("CREATE TABLE IF NOT EXISTS tabUsuario " +
          "(Id INTEGER PRIMARY KEY AUTOINCREMENT, " +
          "login VARCHAR, senha VARCHAR);");
```

```
public void acesso(View v){
      String entUsuario, entSenha ;
      entUsuario = login.getText().toString();
      entSenha = senha.getText().toString();
      Cursor c2 = BancoSQLite.rawQuery
         ("SELECT * FROM tabUsuario where login='"+entUsuario+"' and
                                                  senha='"+entSenha+"'", null);
      if(c2.moveToNext()) {
         Intent intensao = new Intent(MainActivity.this, telaLogin2.class);
         startActivity(intensao);
         finish();
         Toast.makeText(this, "Acertouu", Toast.LENGTH_SHORT).show();
      }
     else if(entUsuario.equalsIgnoreCase("admin") &&
              entSenha.equalsIgnoreCase("a1234")){
         novoUsuario.setVisibility(View.VISIBLE);
      }else{
         txtSaida.setText("Usuário ou senha errado");
      }
   }
```

```
public void inserir(View v){
    if (novoLogin.getText().toString().isEmpty() ||
        novaSenha.getText().toString().isEmpty() ) {
        txtSaida.setText("preencha os campos");

    }
    else{
        BancoSQLite.execSQL (
              "INSERT INTO tabUsuario(login, senha) VALUES " +
                    "('"+novoLogin.getText()+"', '"+novaSenha.getText()+"');");

        Toast.makeText(this, "Dados Salvos", 2).show();

        novoLogin.setText("");
        novaSenha.setText("");
        login.setText("");
        senha.setText("");
    }

}
```