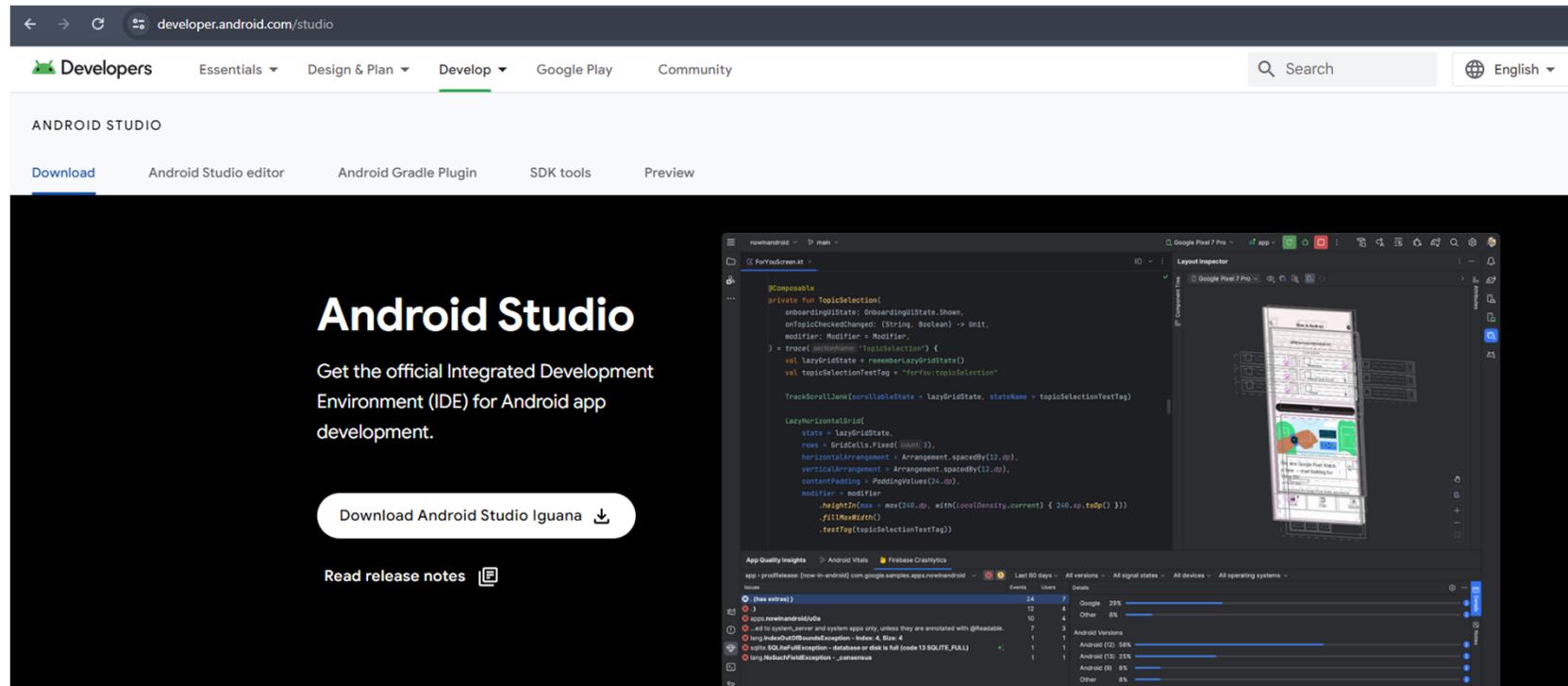




Android Studio

IDE for Android app development

Descarga



Si a todo

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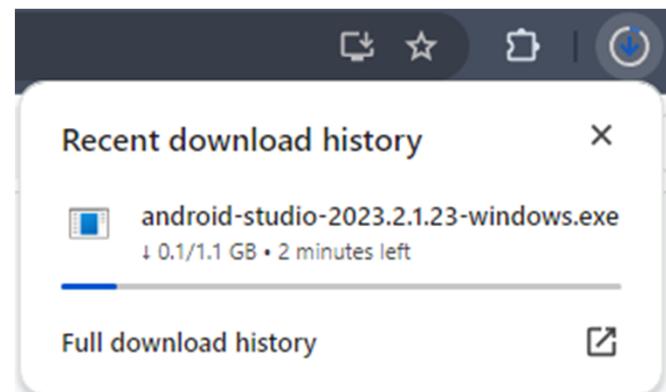
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I have read and agree with the above terms and conditions

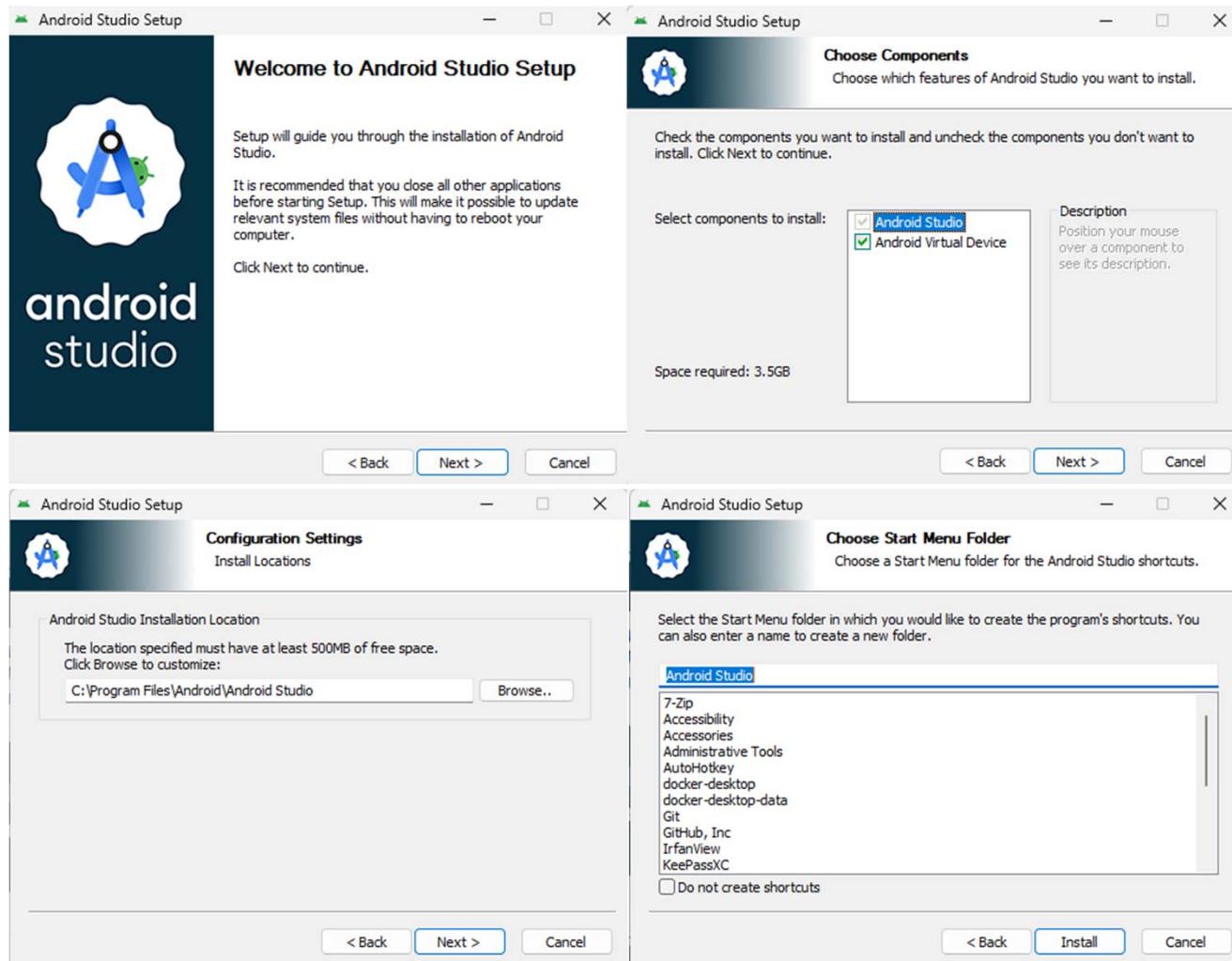
[Download Android Studio Iguana | 2023.2.1 for Windows](#)

android-studio-2023.2.1.23-windows.exe

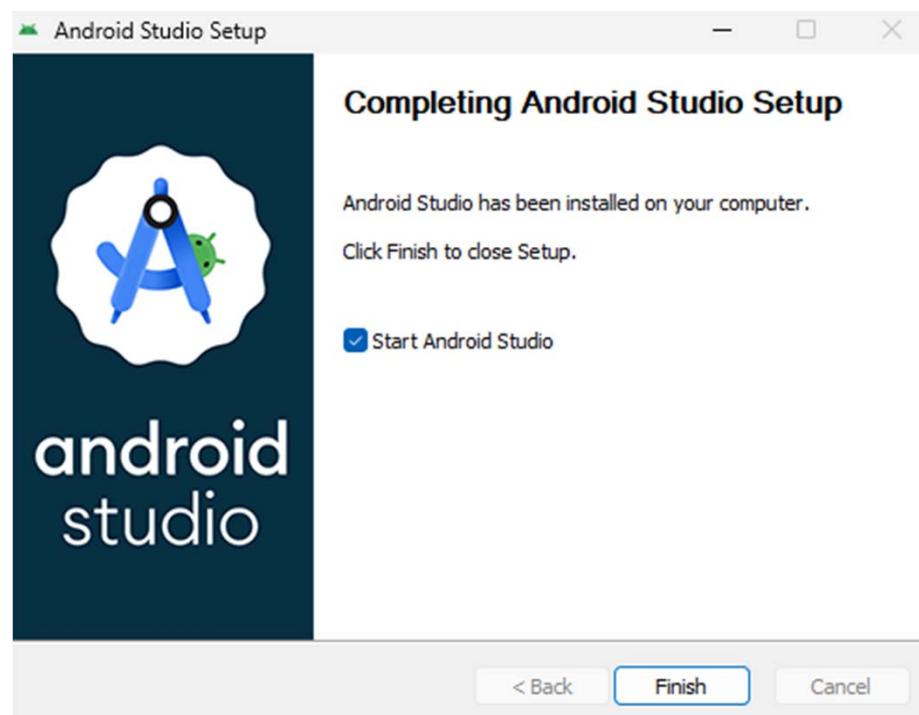
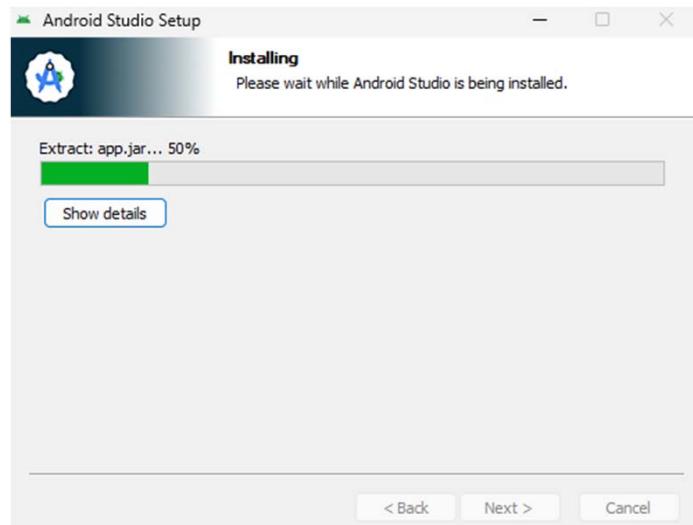
Esperando la descarga ...



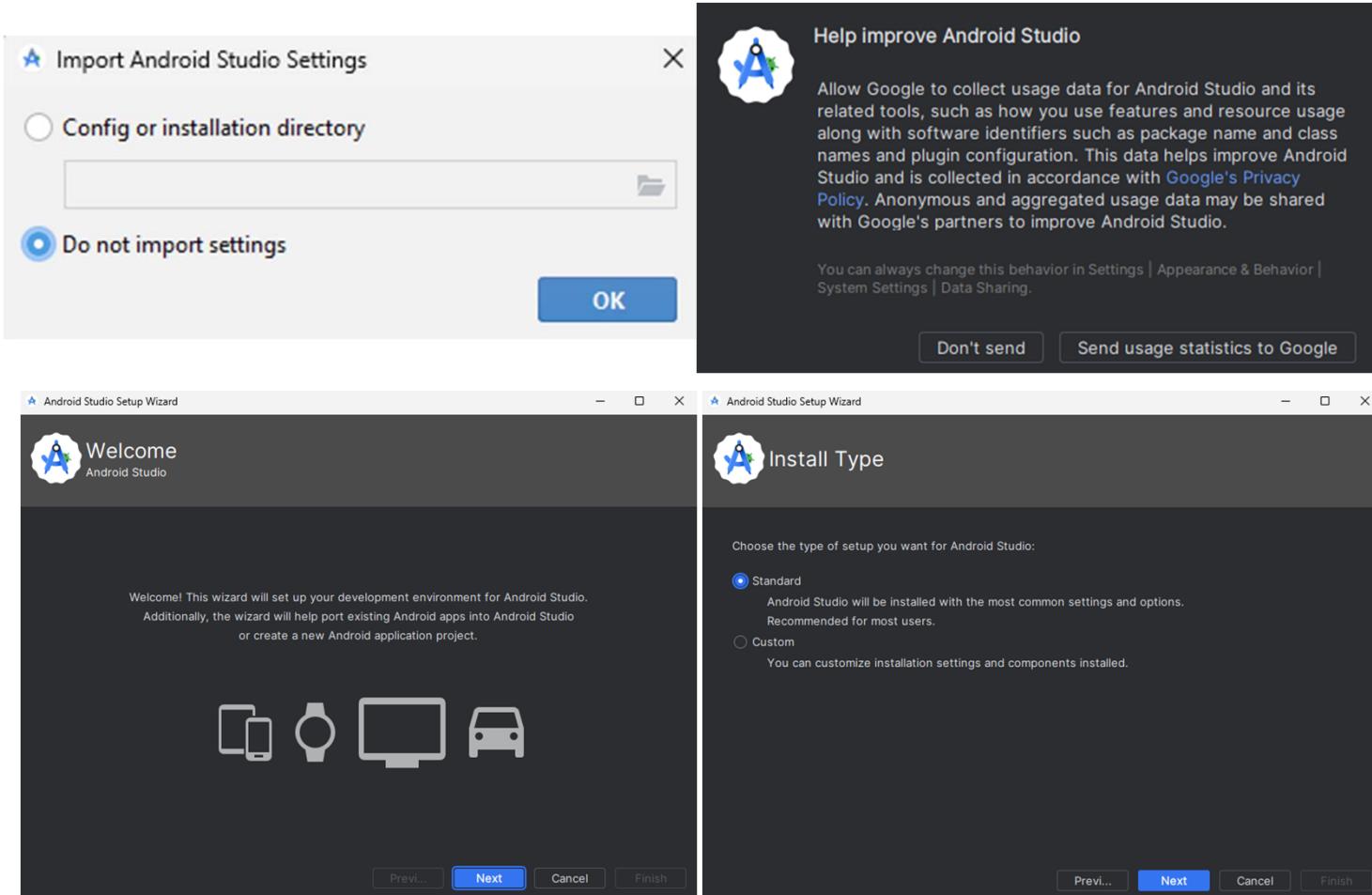
Instalando ...



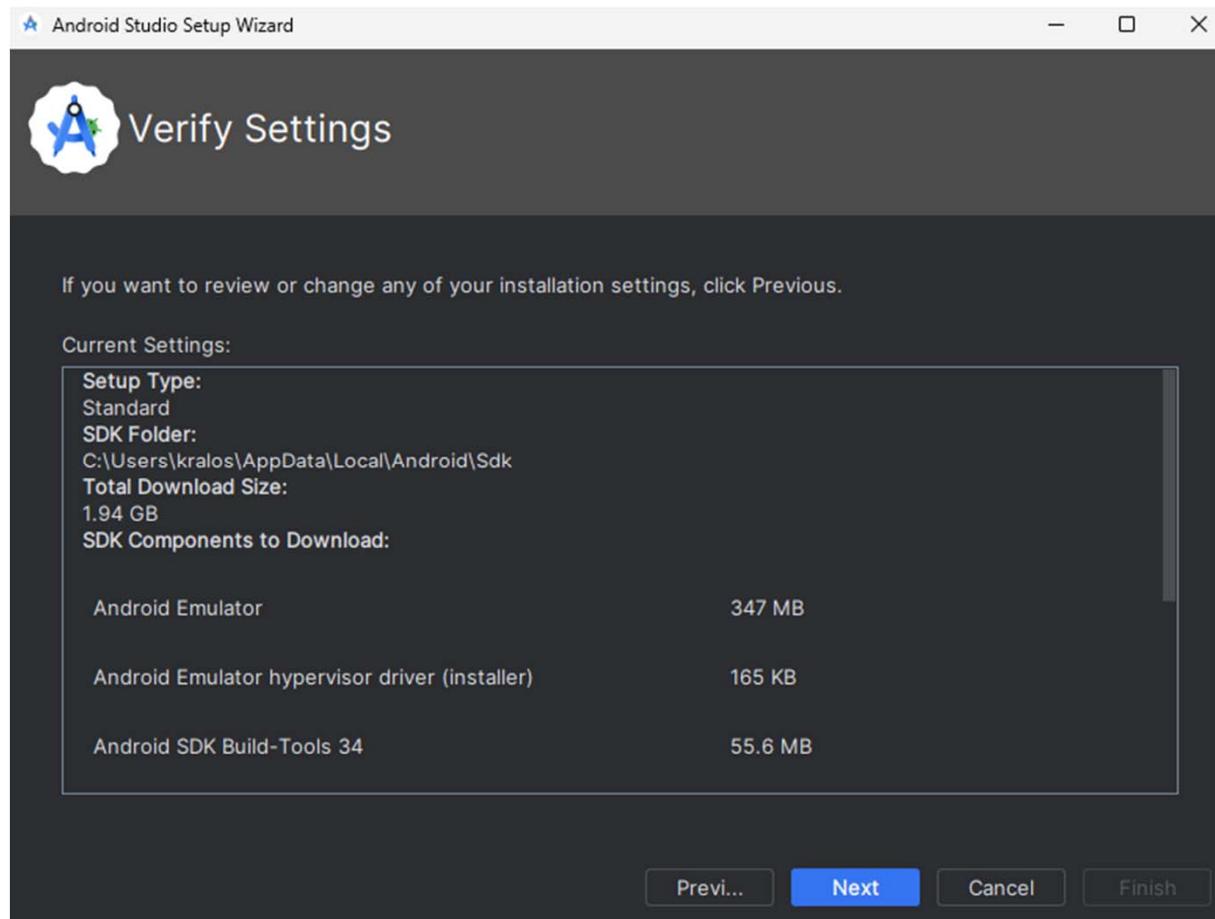
Instalando ...



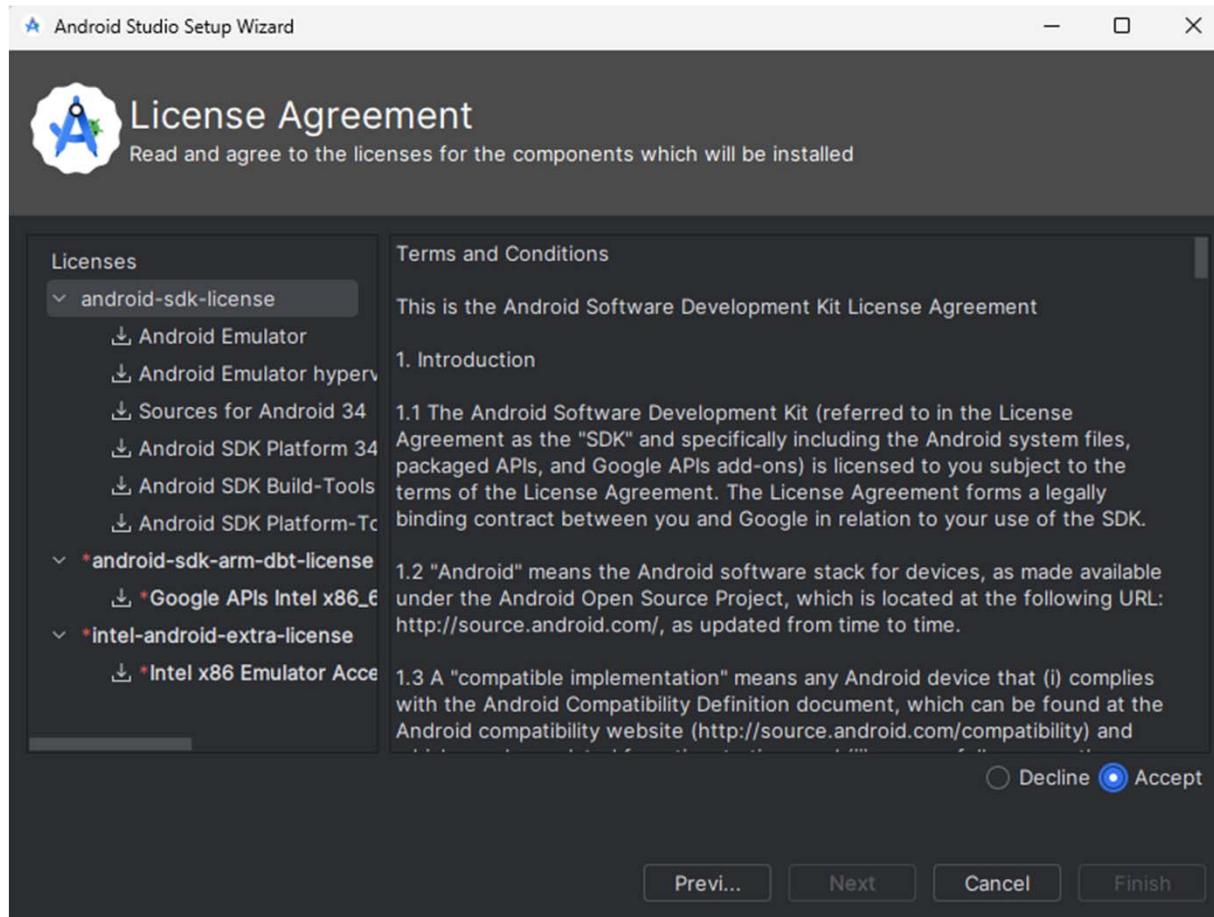
Configurando ...



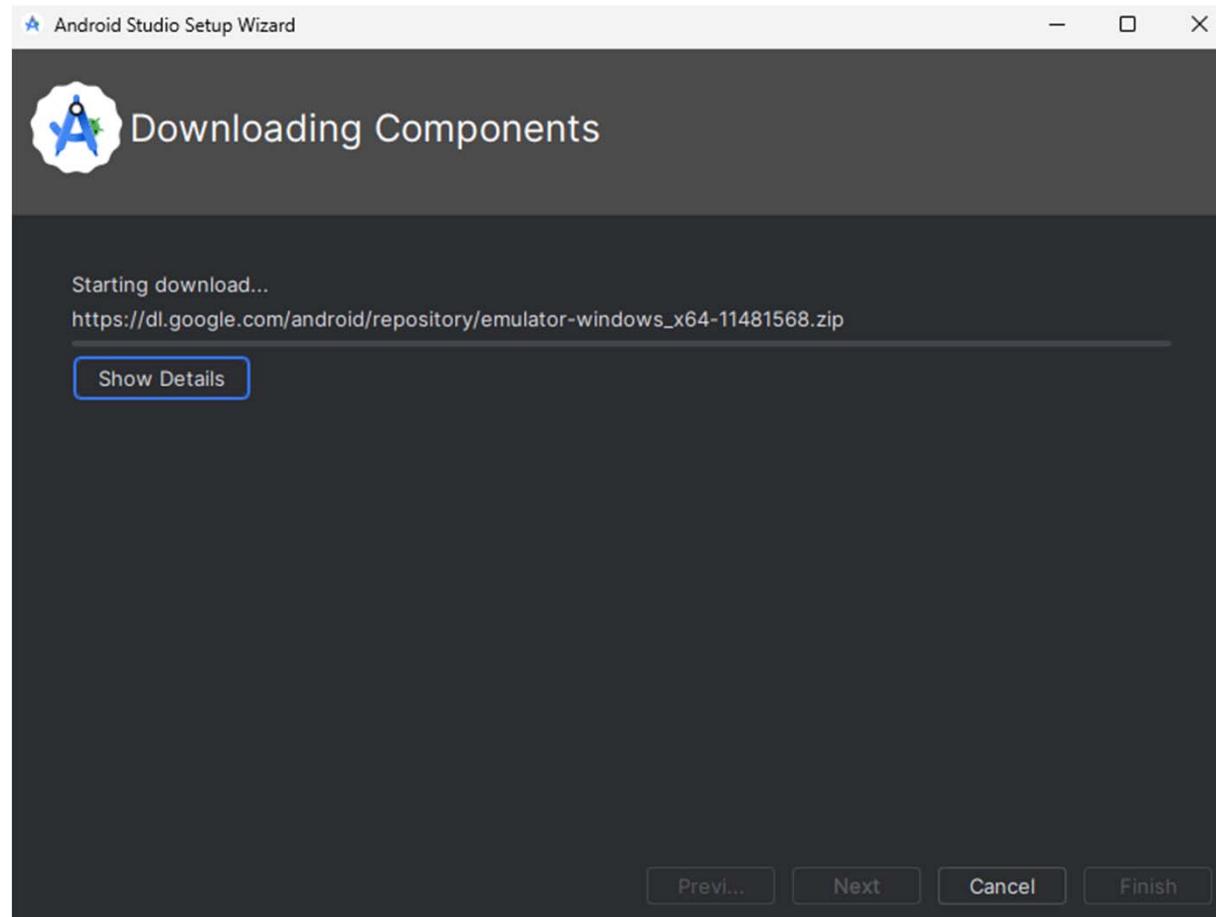
Configurando ...



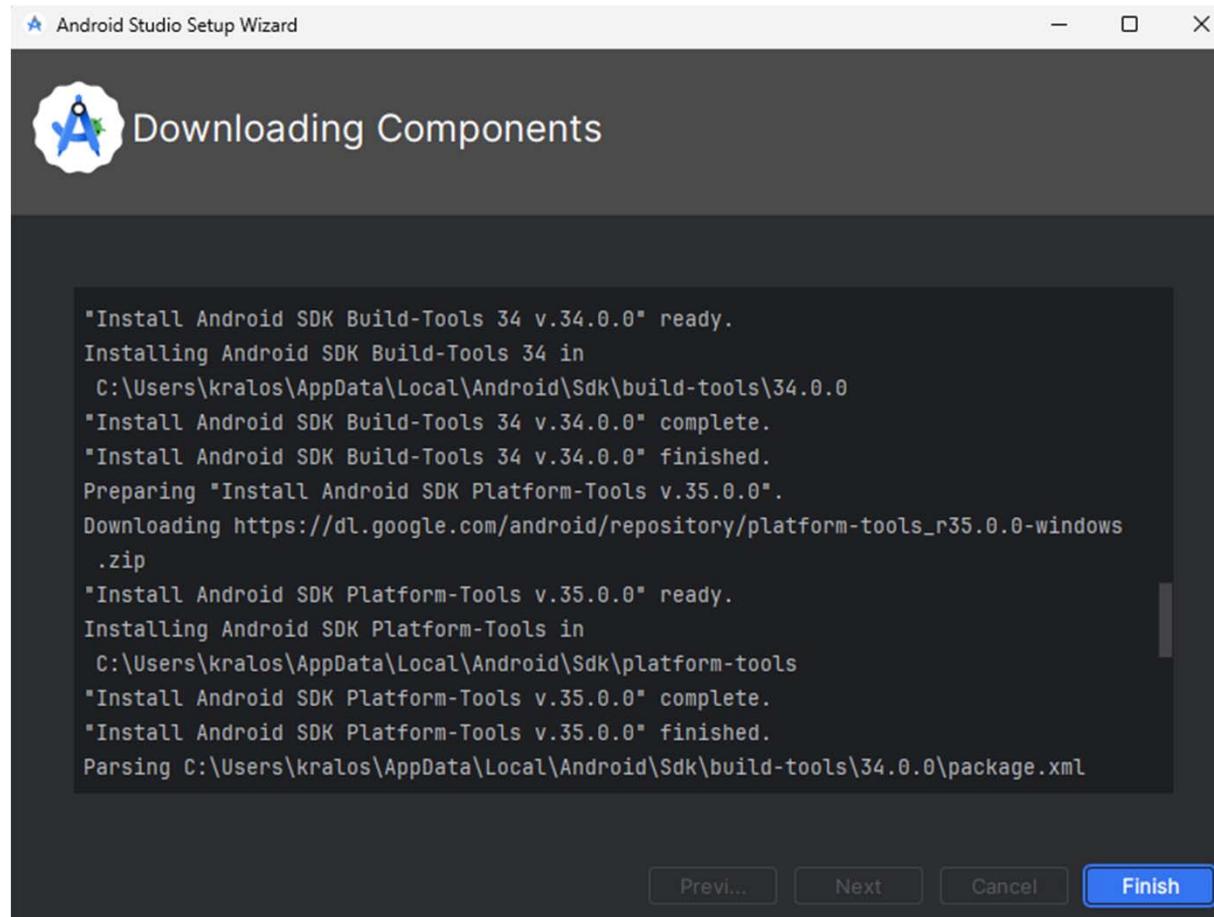
Configurando ...



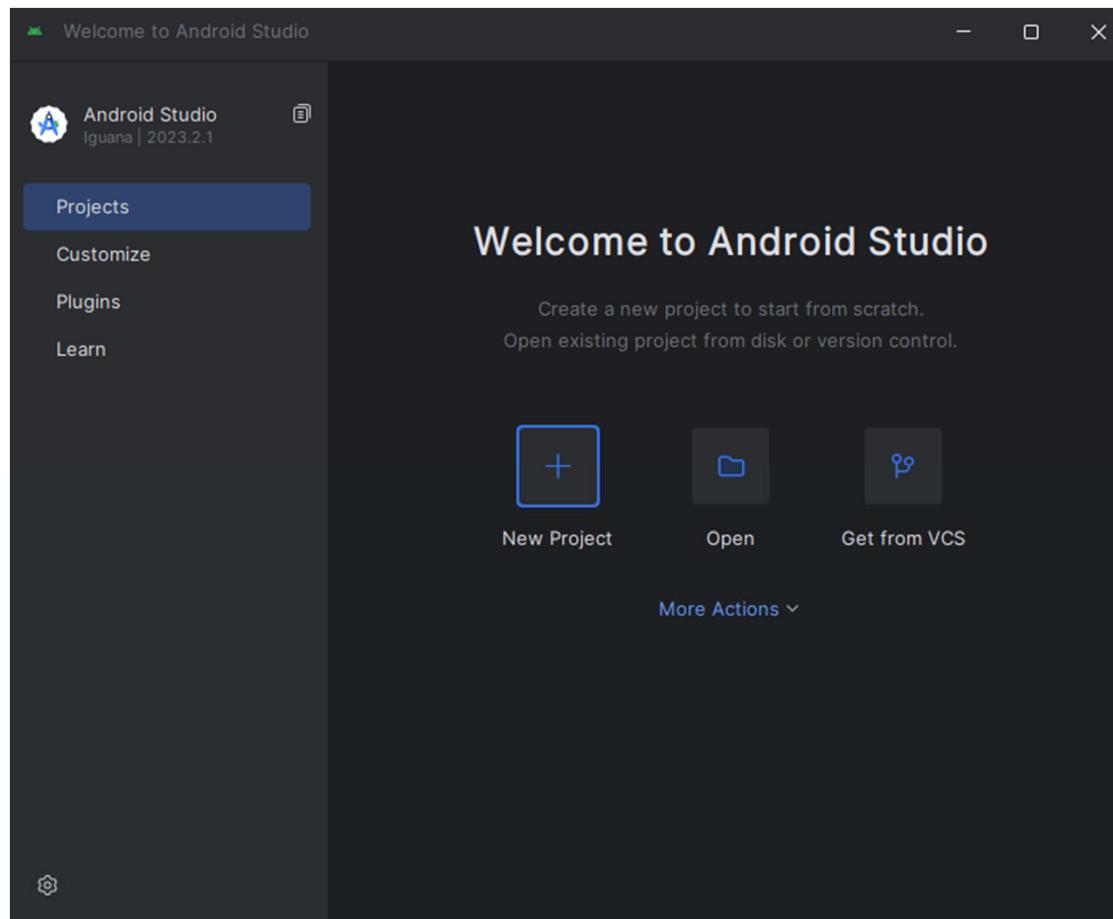
Configurando ... descarga extra



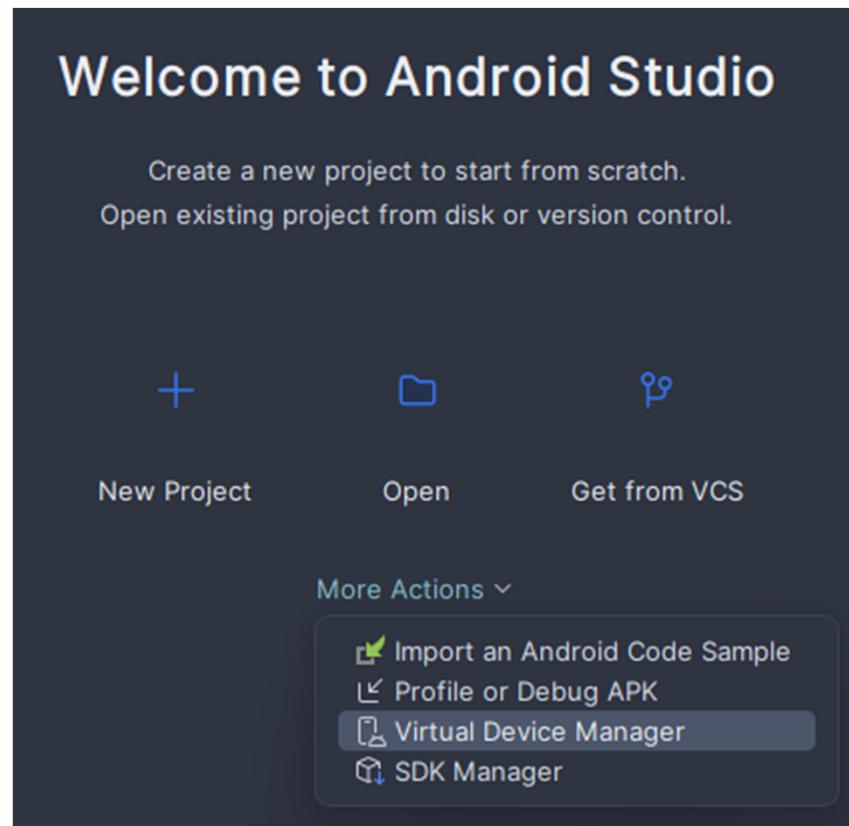
Configurando ... descarga extra



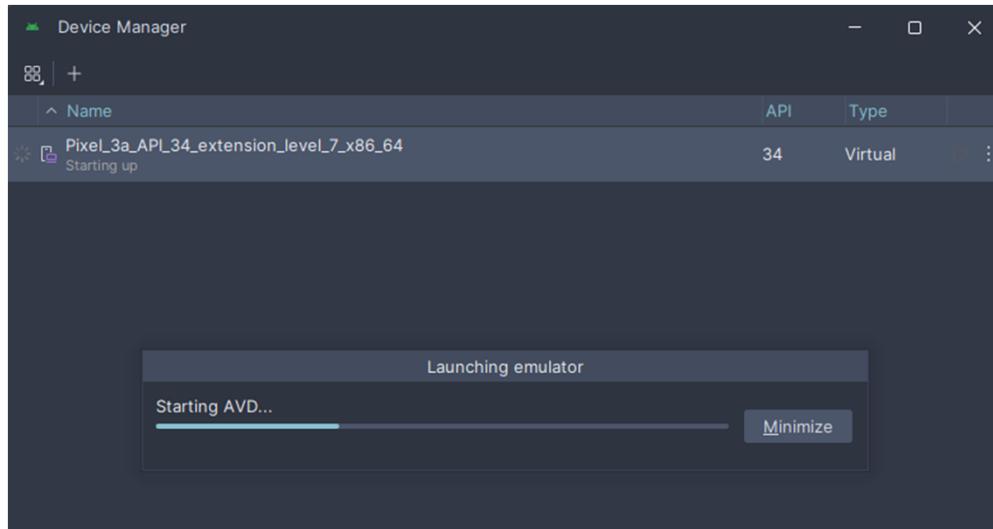
Casi todo listo ...



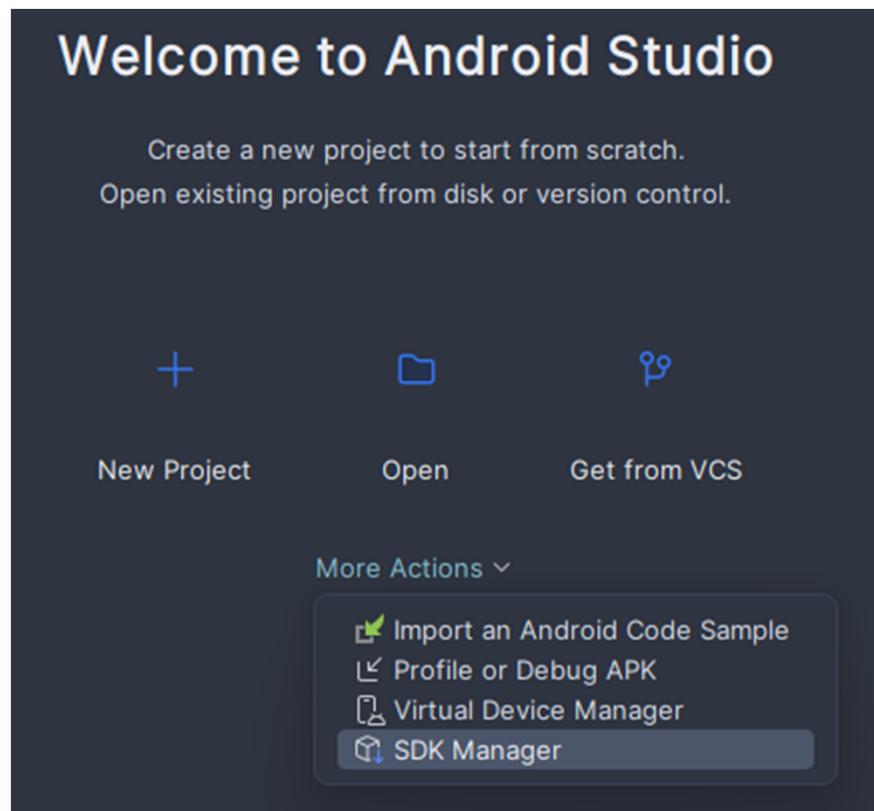
Casi todo listo ...



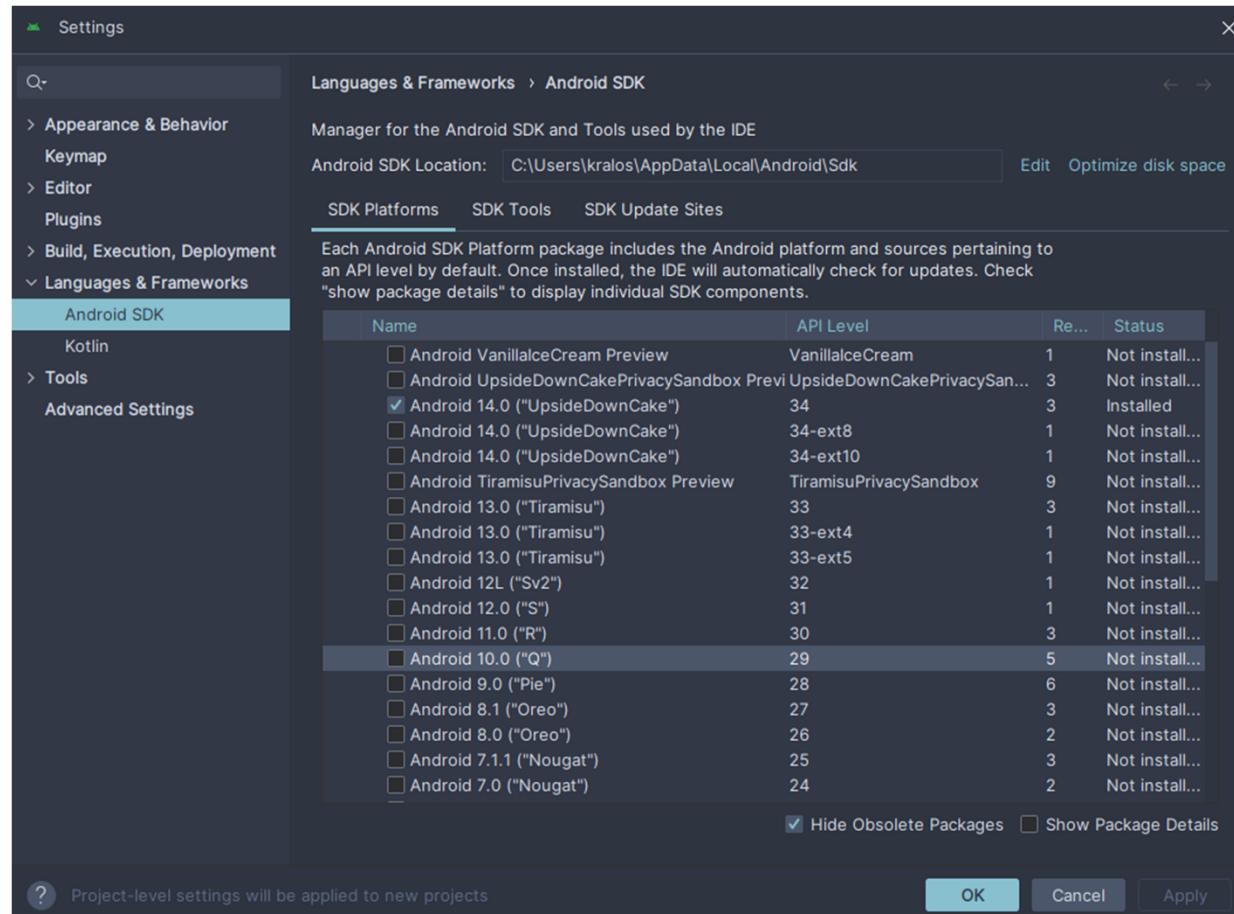
Casi todo listo ...



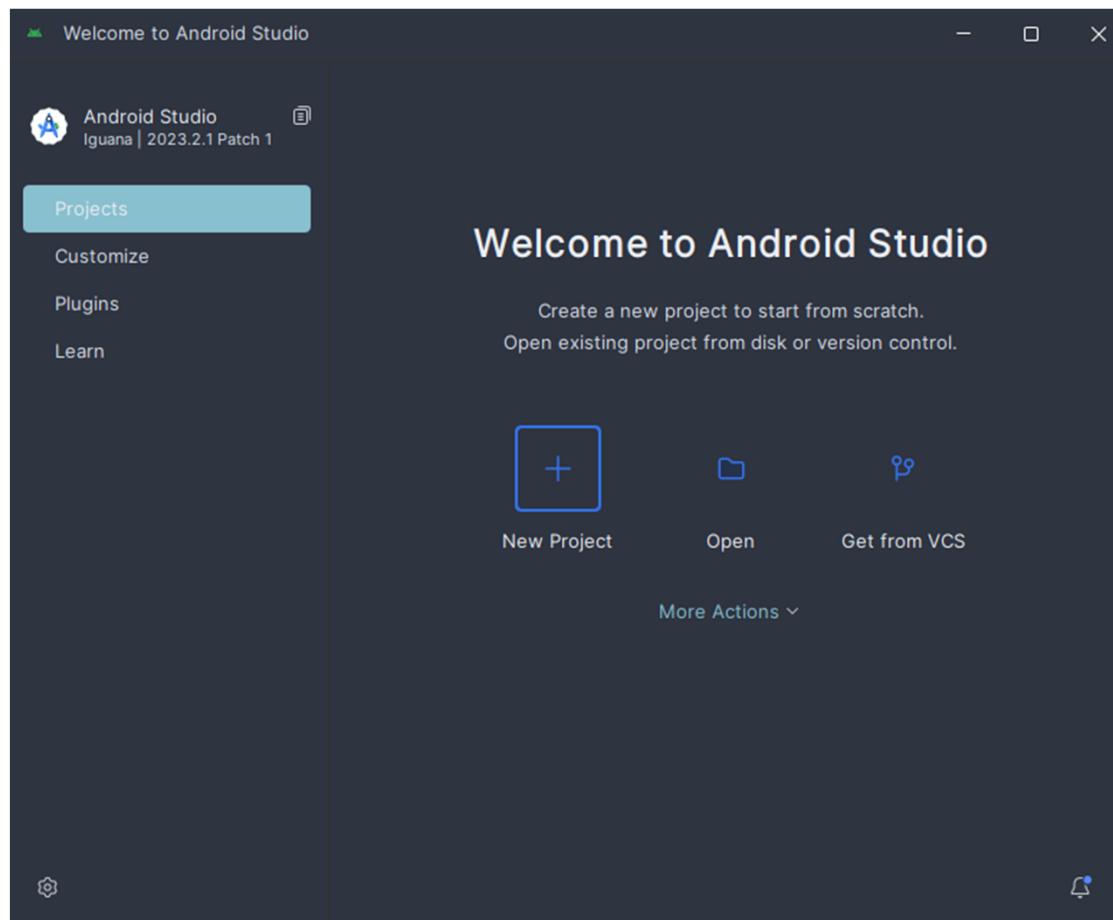
Casi todo listo ...



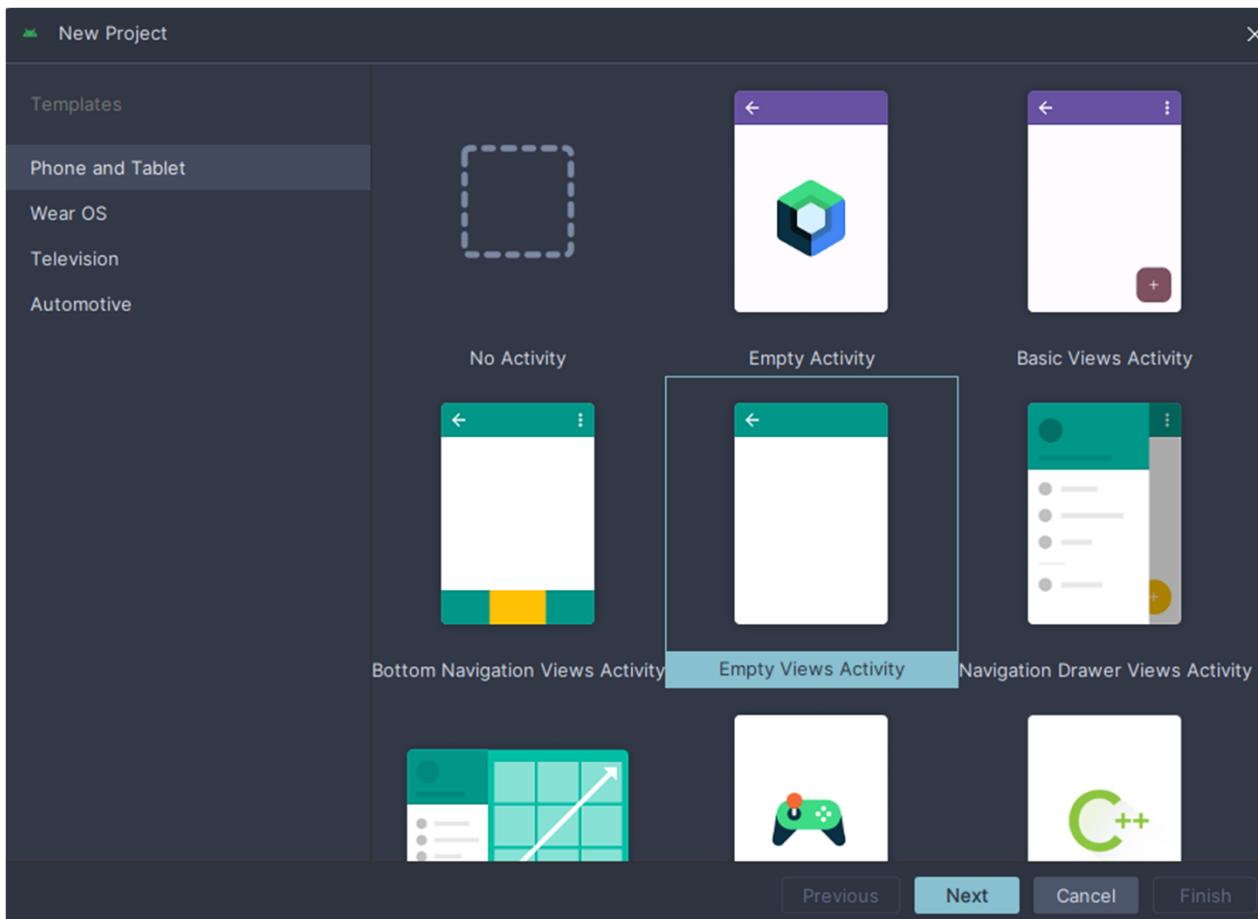
Casi todo listo ...



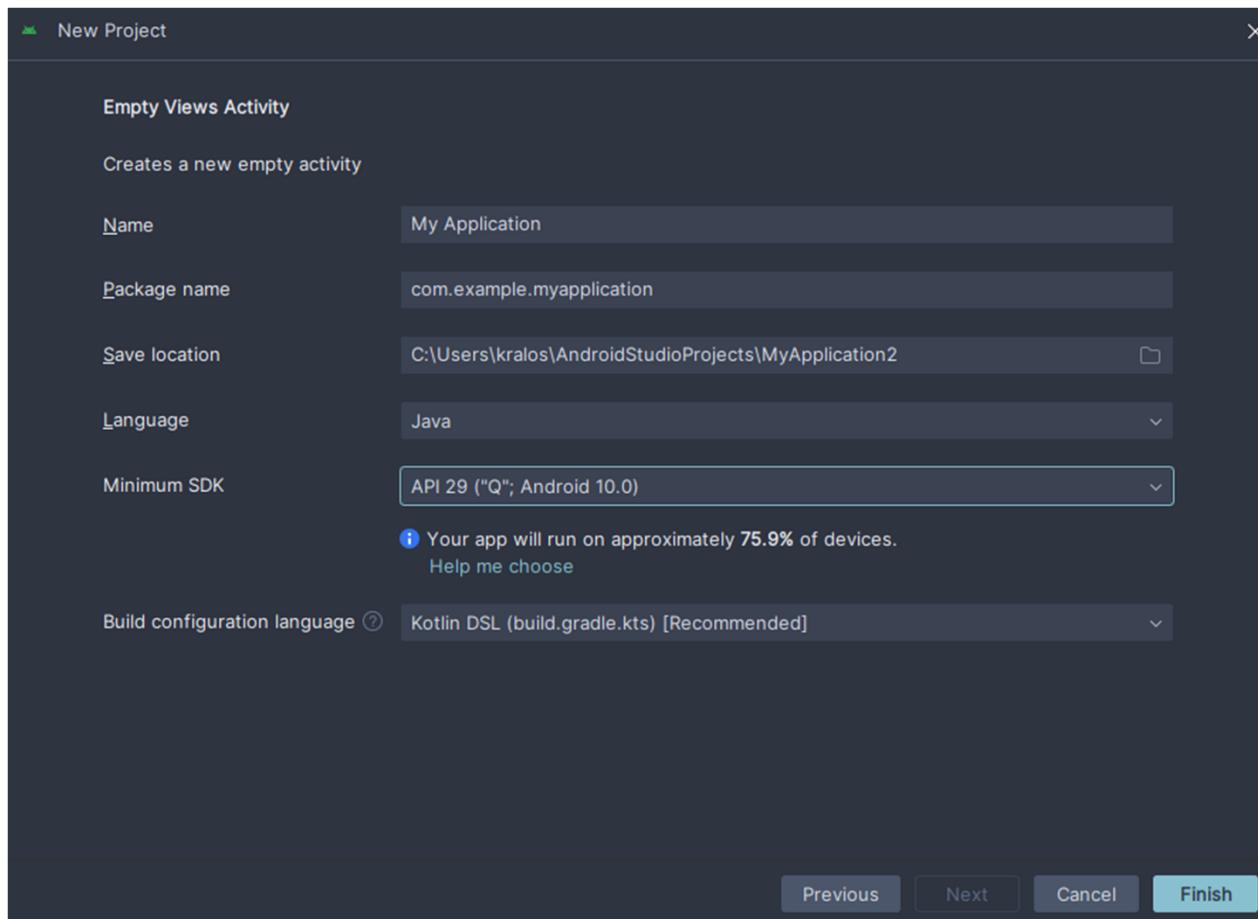
Primer App



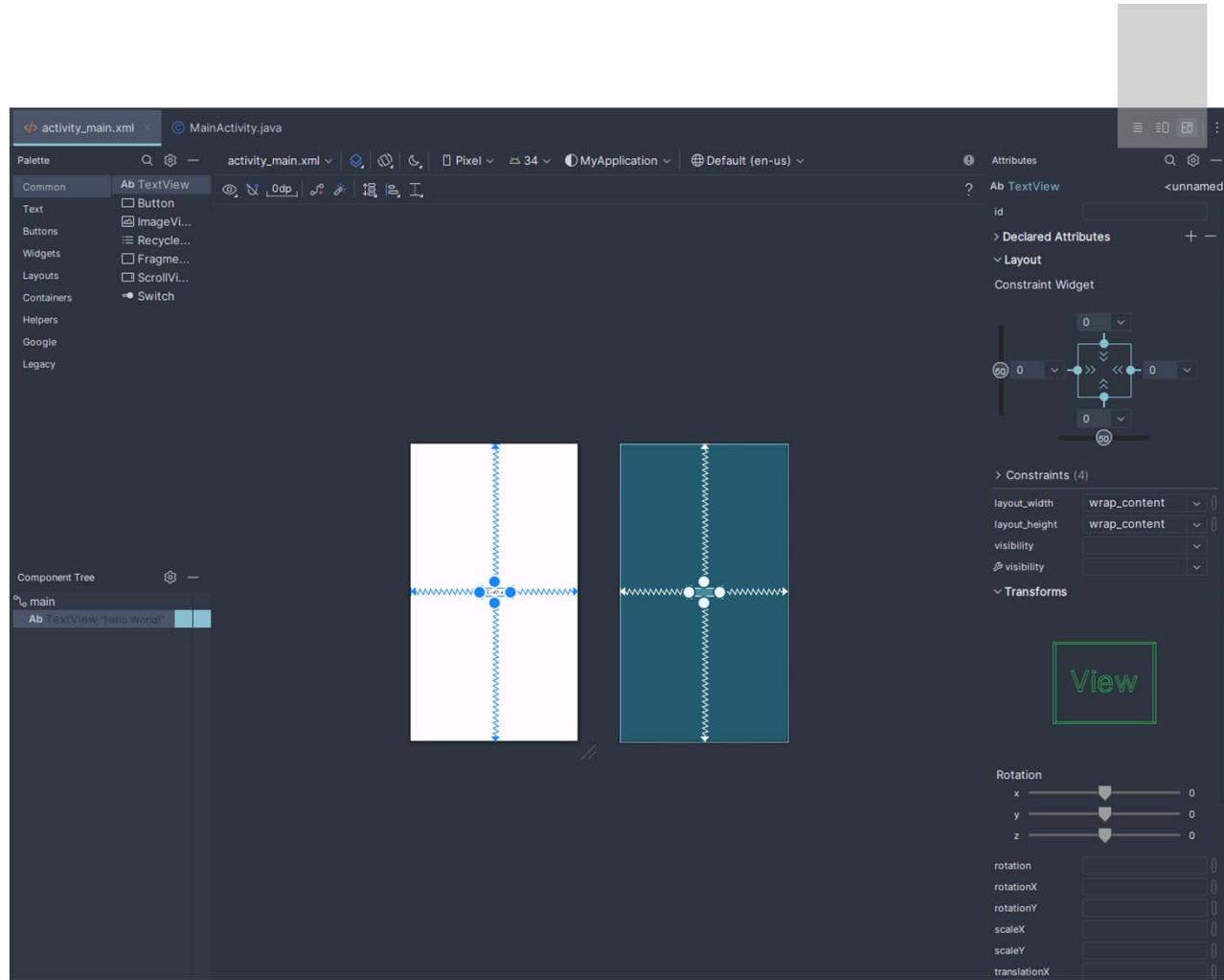
Primer App



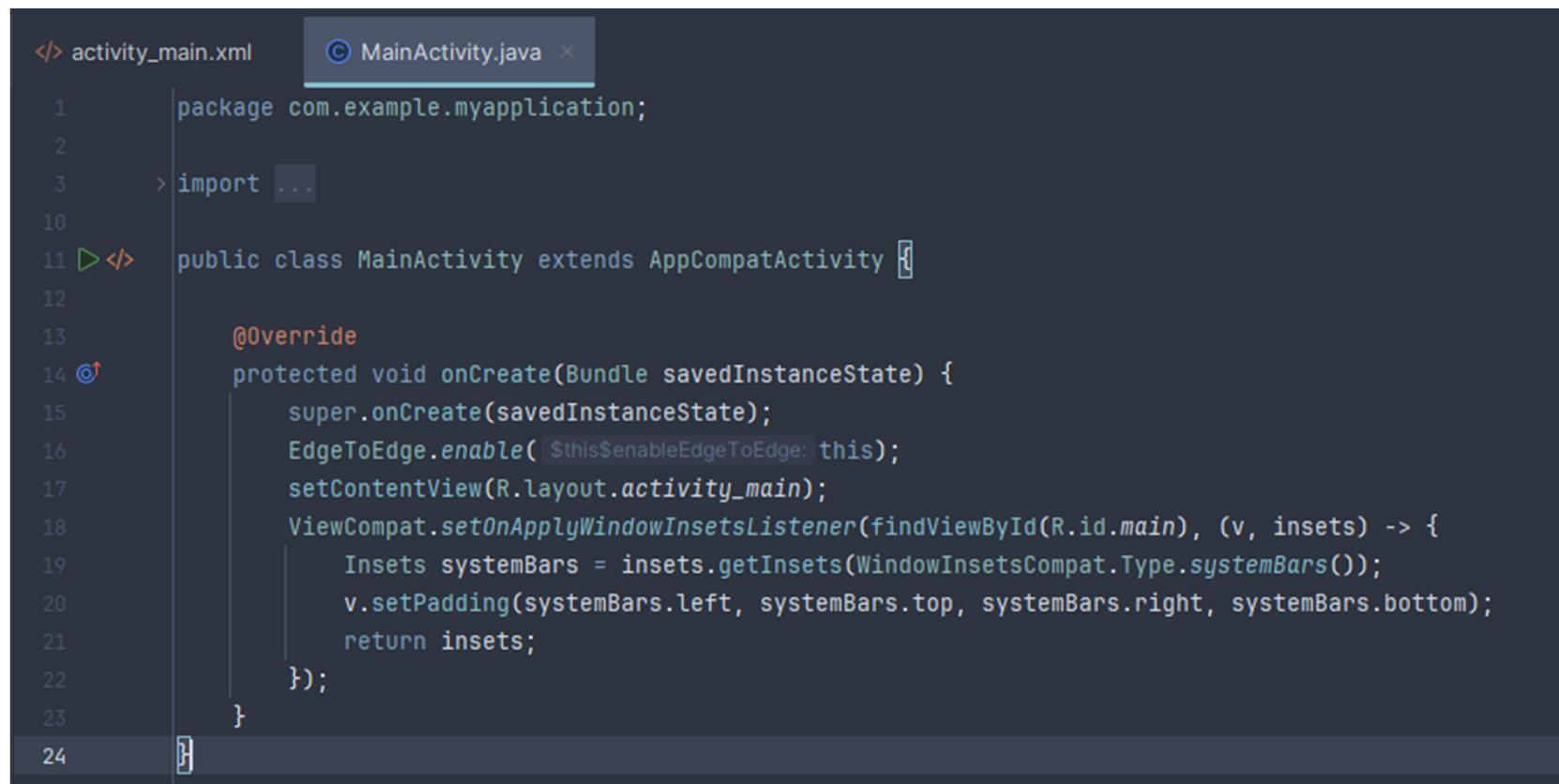
Primer App



Primer App



Primer App



The screenshot shows a code editor with two tabs: 'activity_main.xml' and 'MainActivity.java'. The 'MainActivity.java' tab is active and highlighted with a dark grey background. The code in the editor is as follows:

```
</> activity_main.xml      ⚡ MainActivity.java ×  
1     package com.example.myapplication;  
2  
3     > import ...  
10  
11 <></> public class MainActivity extends AppCompatActivity {  
12  
13     @Override  
14     protected void onCreate(Bundle savedInstanceState) {  
15         super.onCreate(savedInstanceState);  
16         EdgeToEdge.enable( $this$enableEdgeToEdge: this);  
17         setContentView(R.layout.activity_main);  
18         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {  
19             Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());  
20             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);  
21             return insets;  
22         });  
23     }  
24 }
```

Primer App

The screenshot shows the Android Studio interface with the XML layout editor on the right and the code editor on the left.

Code Editor (activity_main.xml):

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res-auto"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

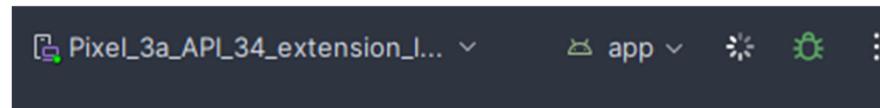
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello Umarino!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

XML Layout Editor:

The layout editor displays two views side-by-side. Both views show a blue constraint layout with a single text view centered both horizontally and vertically. The text view contains the text "Hello Umarino!". The layout uses constraints relative to the parent's edges.

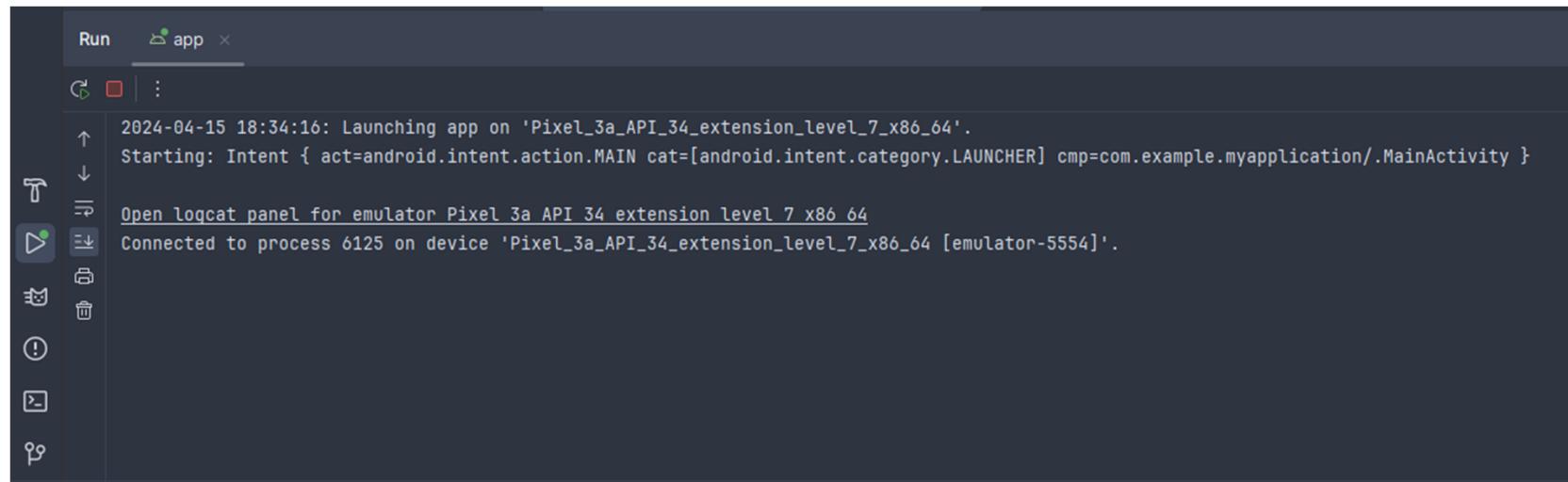
Primer App



The screenshot shows the Android Studio interface with the 'Build Output' tab selected. The log output is as follows:

```
> Task :app:writeDebugSigningConfigVersions  
> Task :app:processDebugResources  
> Task :app:compileDebugJavaWithJavac  
> Task :app:dexBuilderDebug  
> Task :app:mergeProjectDexDebug  
> Task :app:packageDebug  
> Task :app:createDebugApkListingFileRedirect  
> Task :app:assembleDebug  
  
BUILD SUCCESSFUL in 1m 33s  
31 actionable tasks: 31 executed  
  
Build Analyzer results available
```

Primer App



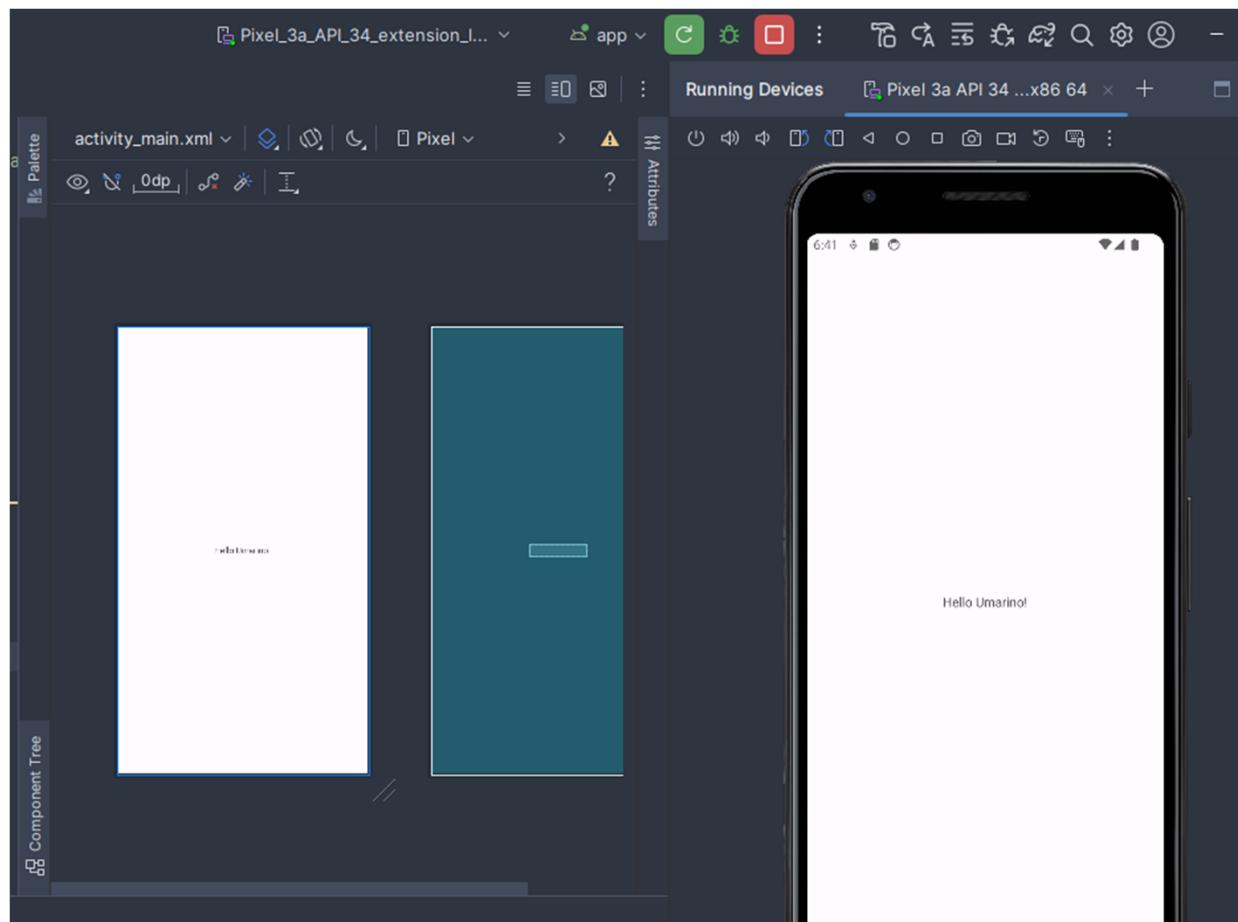
The screenshot shows the Android Studio interface with the 'Run' tab selected. The 'app' configuration is active. The log output window displays the following text:

```
2024-04-15 18:34:16: Launching app on 'Pixel_3a_API_34_extension_level_7_x86_64'.
Starting: Intent { act=android.intent.action.MAIN cat=[android.intent.category.LAUNCHER] cmp=com.example.myapplication/.MainActivity }

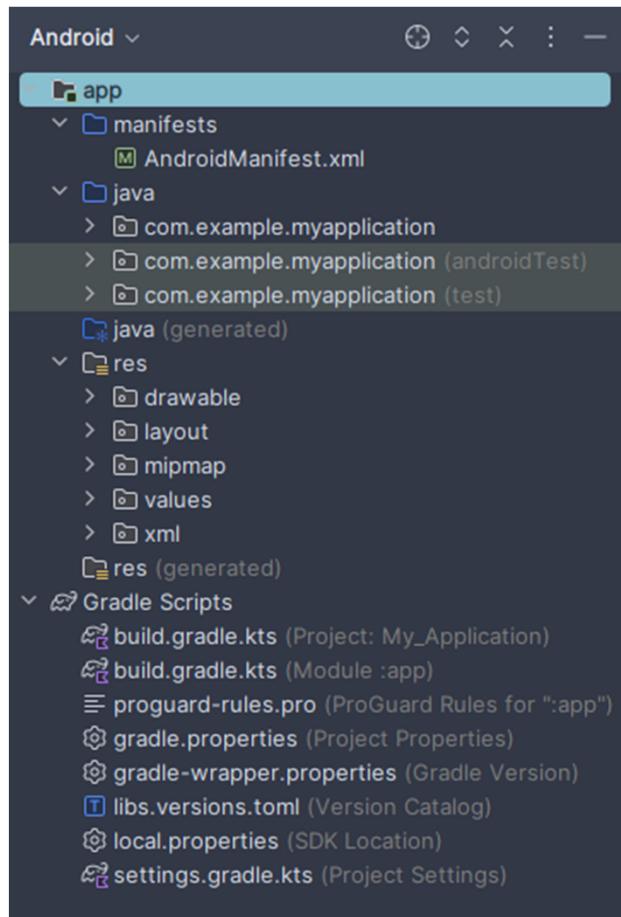
Open logcat panel for emulator Pixel_3a API 34 extension level 7 x86_64
Connected to process 6125 on device 'Pixel_3a_API_34_extension_level_7_x86_64 [emulator-5554]'.
```

The left sidebar contains various run configurations and tool icons.

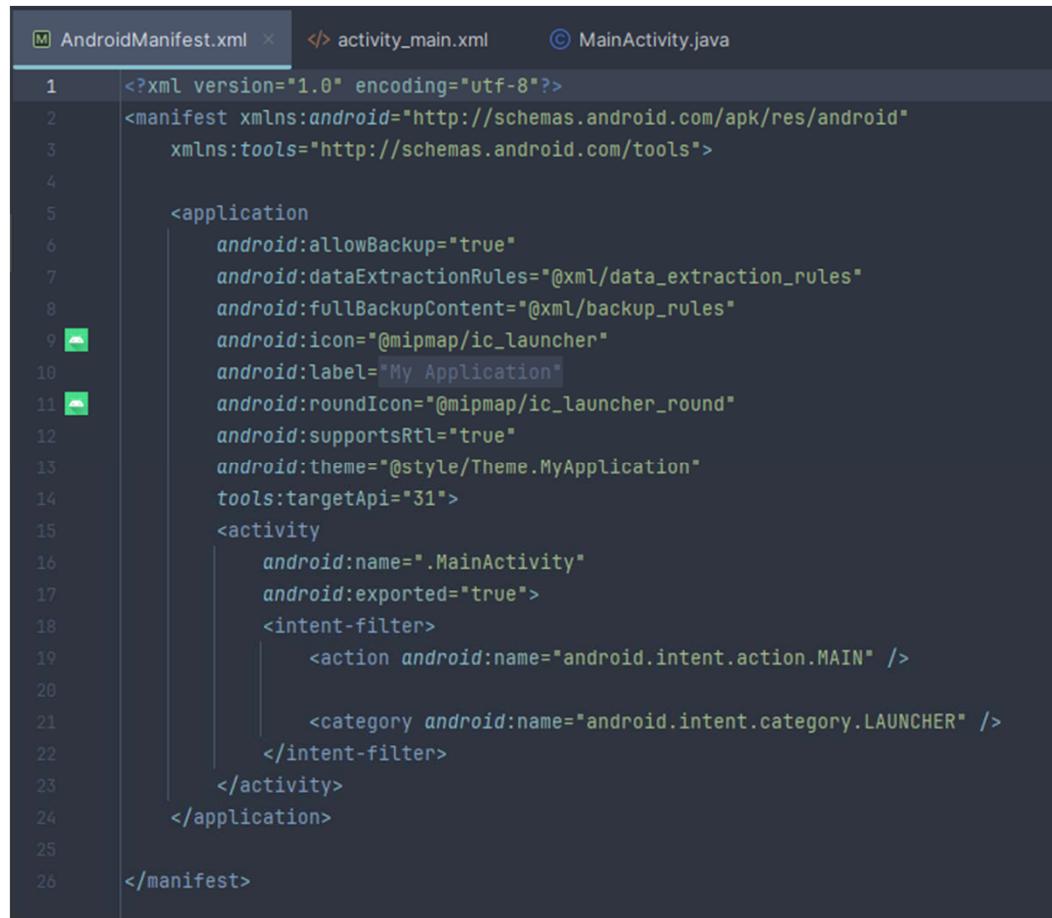
Primer App



Primer App



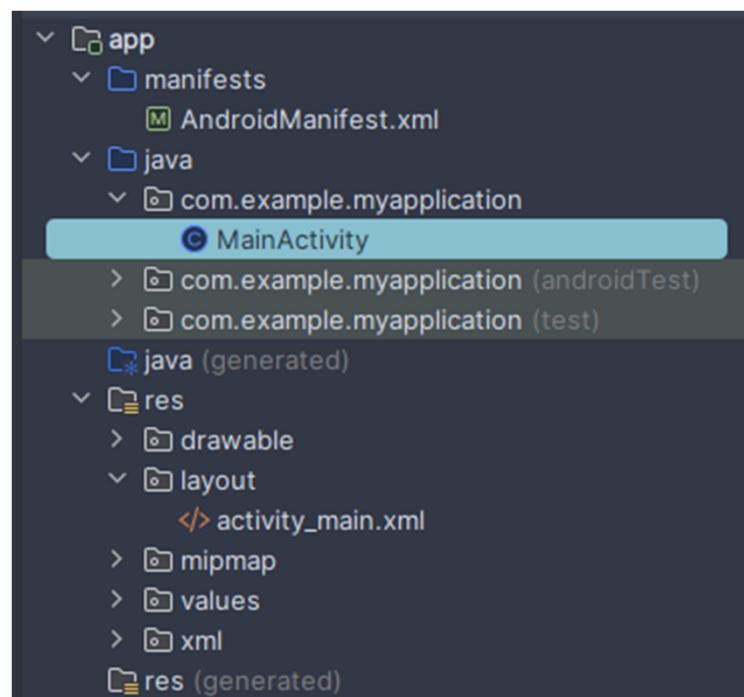
Primer App



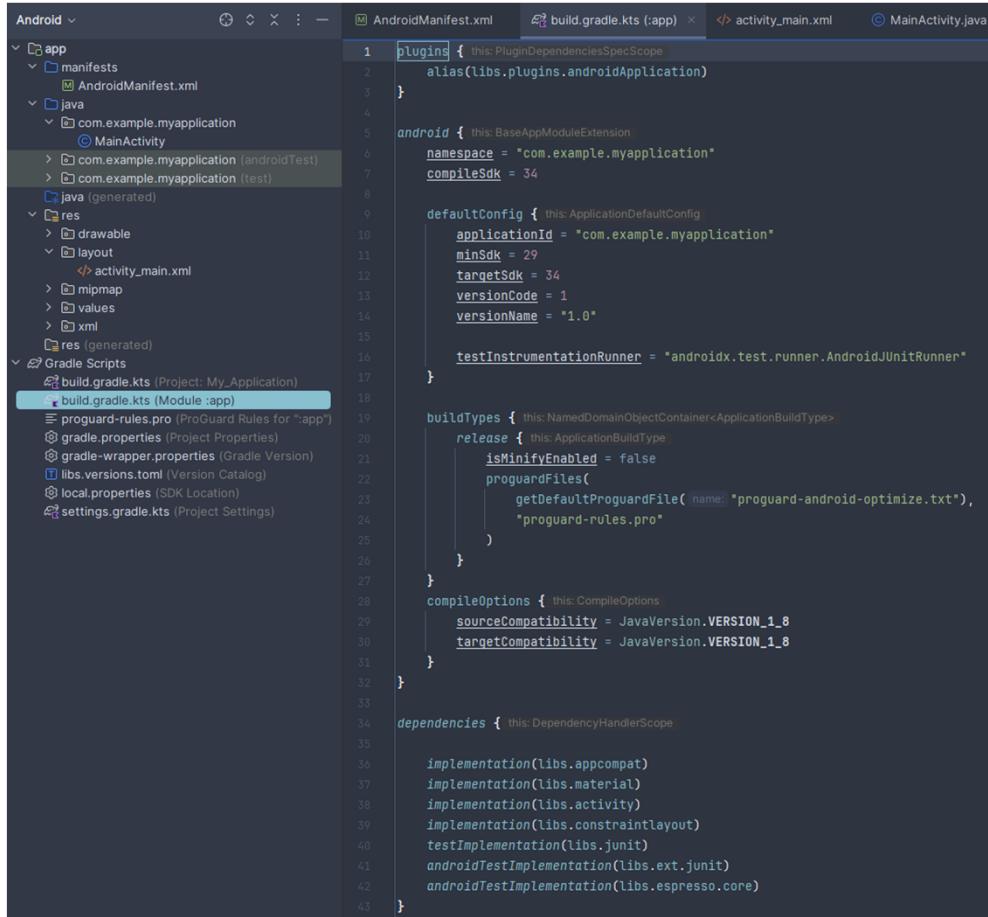
```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="My Application"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.MyApplication"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

Primer App



Primer App



The screenshot shows the Android Studio interface with the following details:

- Project Structure:** The left pane displays the project structure under "Android". It includes the "app" module with sub-directories "manifests", "java", "res", and "Gradle Scripts". Inside "java", there is a package "com.example.myapplication" containing "MainActivity". Inside "res", there is a "layout" directory containing "activity_main.xml". The "Gradle Scripts" directory contains "build.gradle.kts".
- Code Editor:** The right pane shows the content of "build.gradle.kts". The code is as follows:

```
plugins {
    alias(libs.plugins.androidApplication)
}

android {
    namespace = "com.example.myapplication"
    compileSdk = 34

    defaultConfig {
        applicationId = "com.example.myapplication"
        minSdk = 29
        targetSdk = 34
        versionCode = 1
        versionName = "1.0"

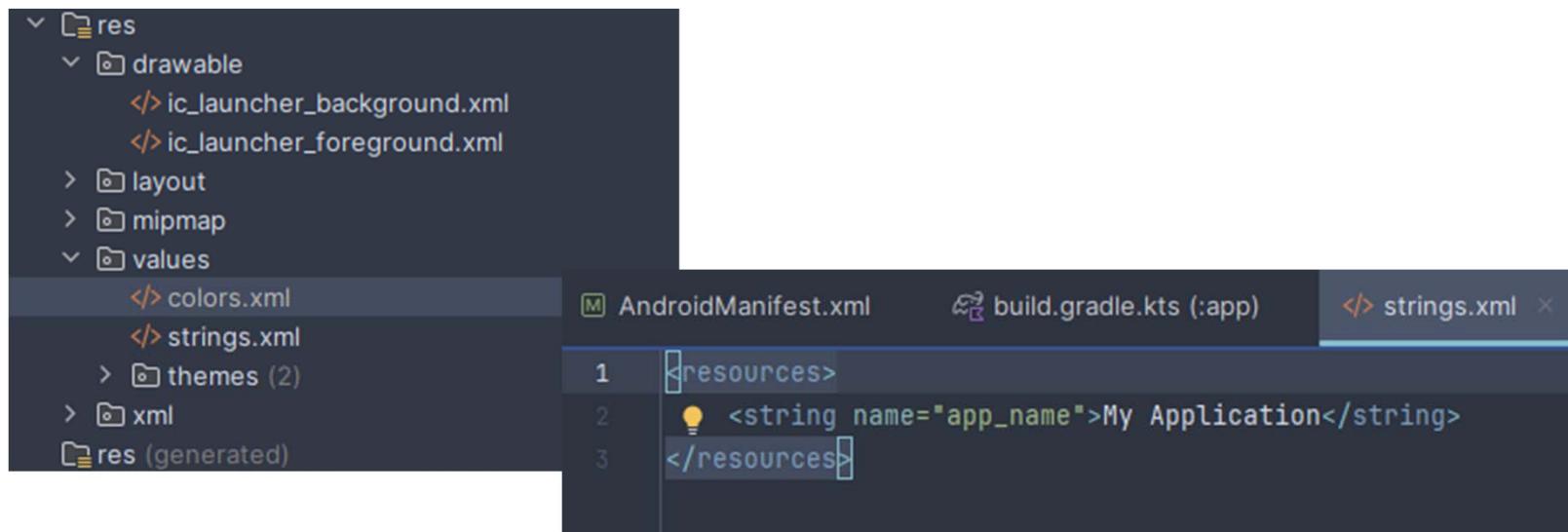
        testInstrumentationRunner = "androidx.test.runner.AndroidJUnitRunner"
    }

    buildTypes {
        release {
            isMinifyEnabled = false
            proguardFiles(
                getDefaultProguardFile("proguard-android-optimize.txt"),
                "proguard-rules.pro"
            )
        }
    }

    compileOptions {
        sourceCompatibility = JavaVersion.VERSION_1_8
        targetCompatibility = JavaVersion.VERSION_1_8
    }
}

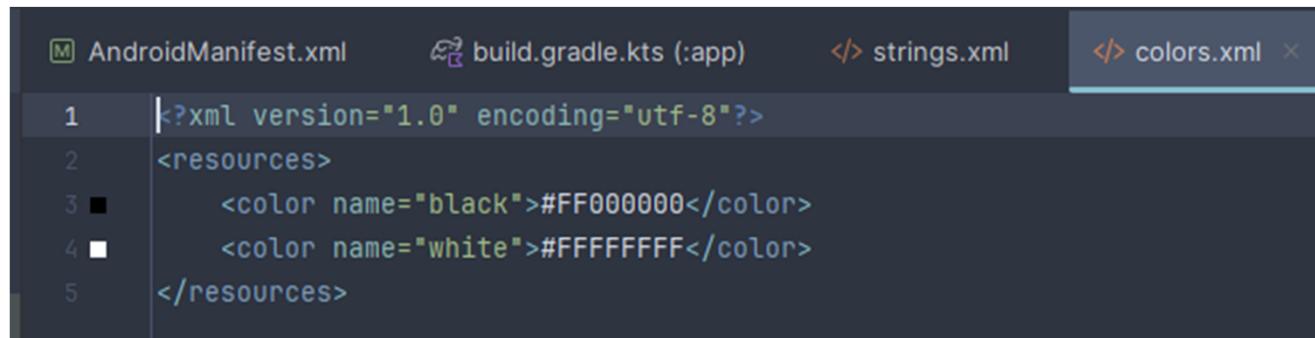
dependencies {
    implementation(libs.appcompat)
    implementation(libs.material)
    implementation(libs.activity)
    implementation(libs.constraintlayout)
    testImplementation(libs.junit)
    androidTestImplementation(libs.ext.junit)
    androidTestImplementation(libs.espresso.core)
}
```

Primer App



The screenshot shows the Android Studio interface. On the left, the project structure is displayed under the 'res' folder, which contains 'drawable', 'layout', 'mipmap', and 'values'. Inside 'values', there are files for 'colors.xml' and 'strings.xml', along with a 'themes' folder containing two items. On the right, the code editor shows the 'AndroidManifest.xml' file with the following content:

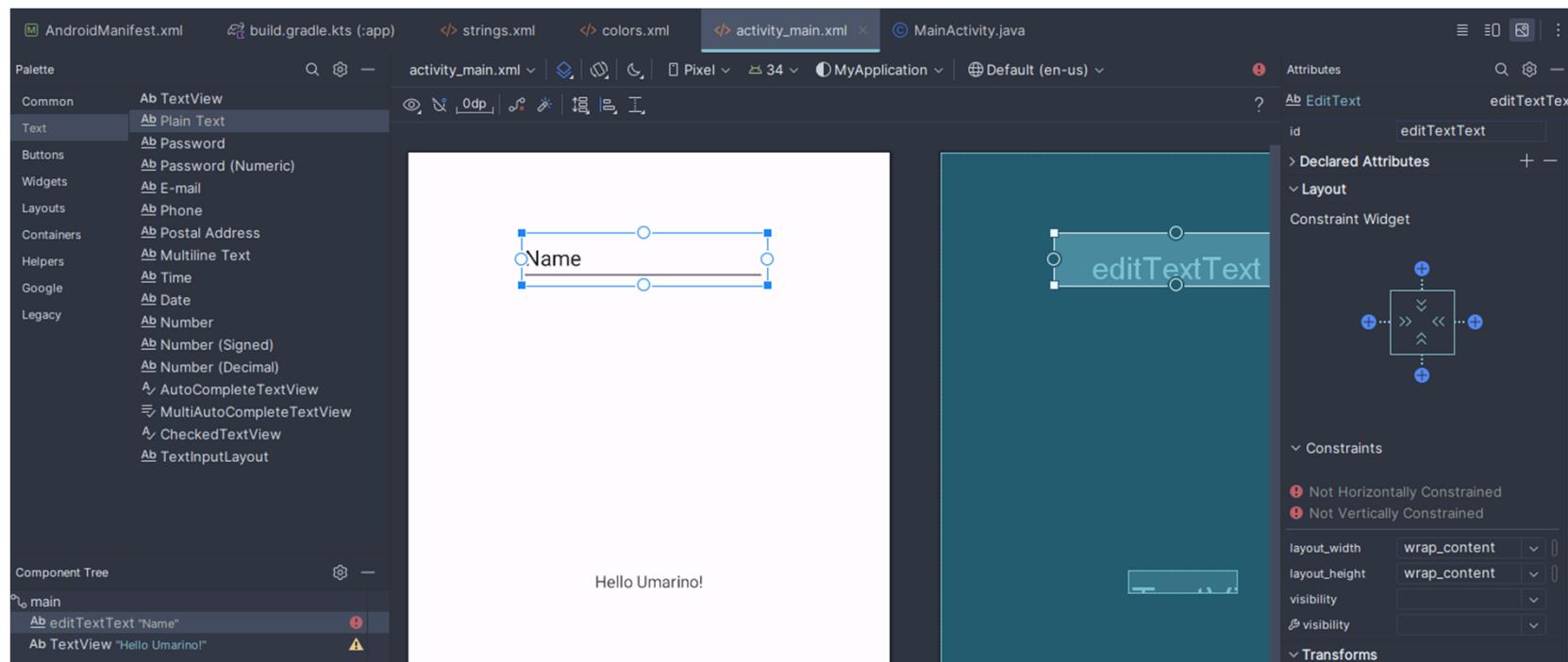
```
<resources>
    <string name="app_name">My Application</string>
</resources>
```



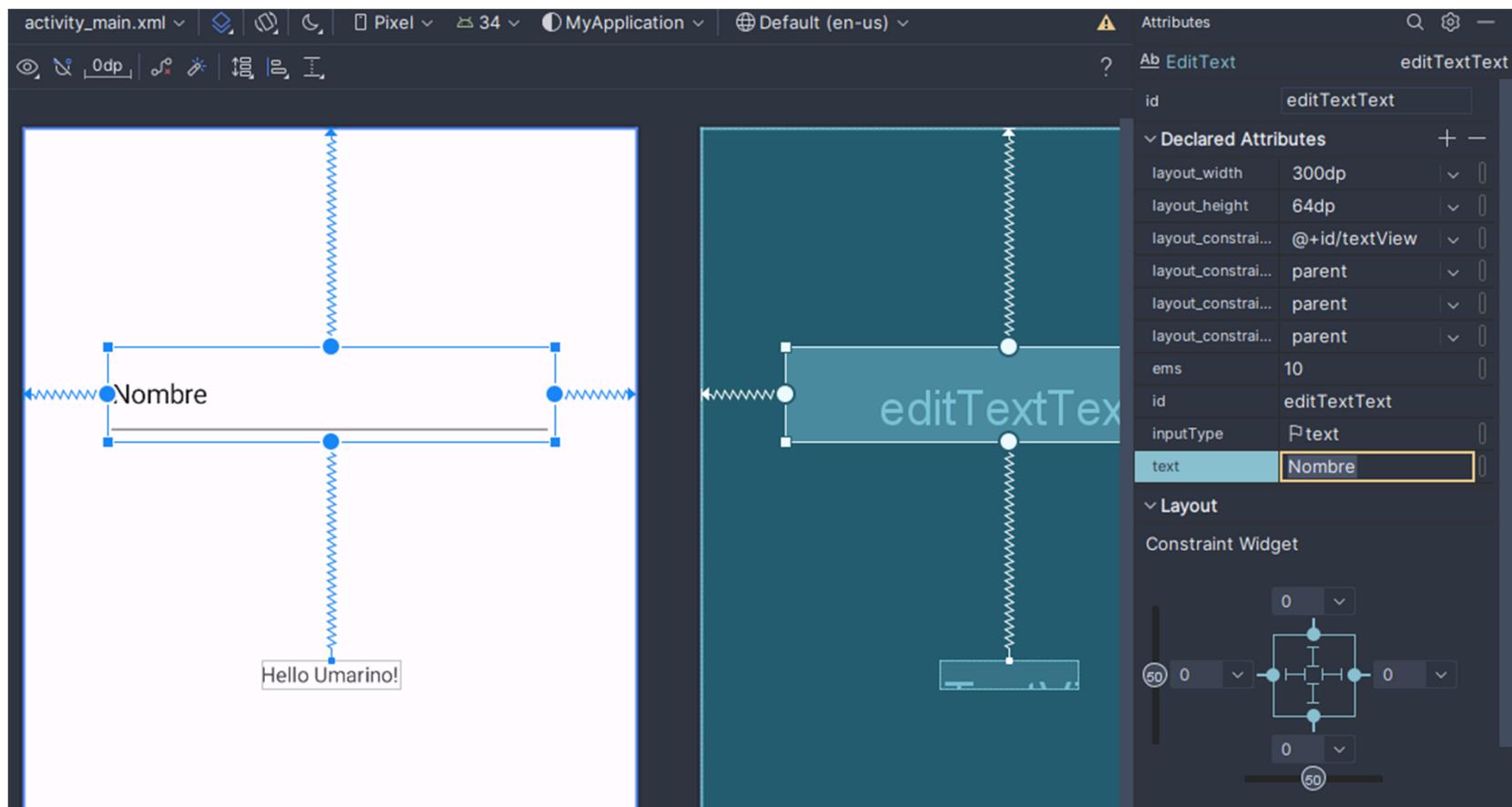
The code editor is focused on the 'colors.xml' file, which contains the following XML code:

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="black">#FF000000</color>
    <color name="white">#FFFFFF</color>
</resources>
```

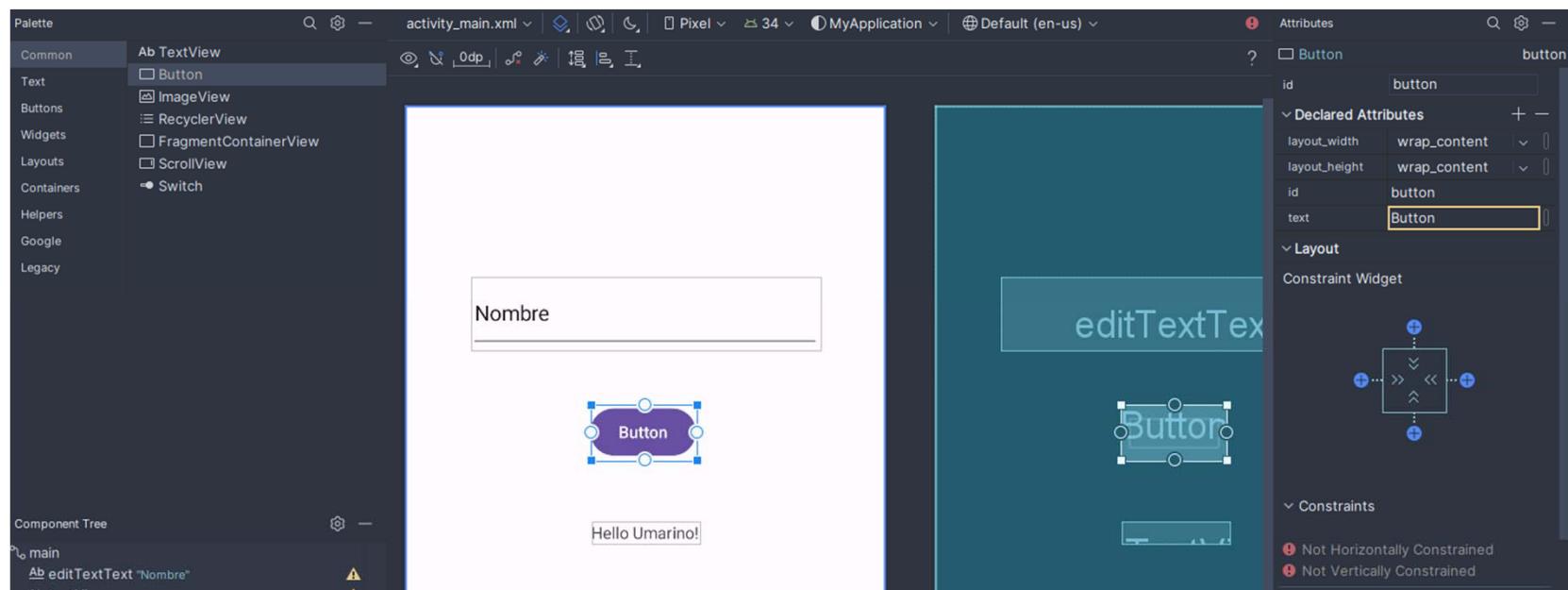
Segunda APP



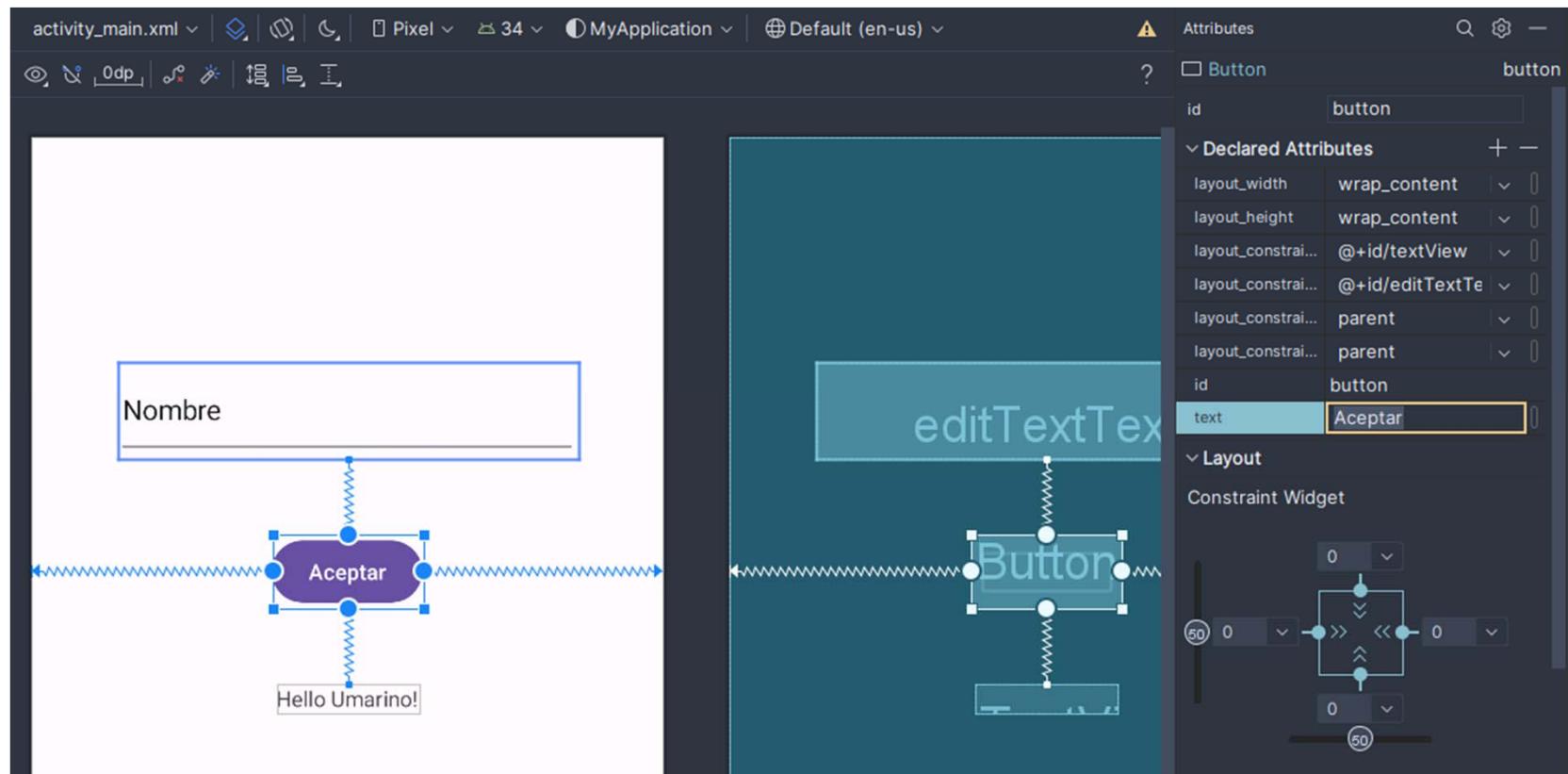
Segunda APP



Segunda APP



Segunda APP



Segunda APP

```
public class MainActivity extends AppCompatActivity {

    2 usages
    public TextInputEditText texto_nombre;
    2 usages
    public Button aceptar;
    2 usages
    public TextView mensaje;

    @SuppressLint("WrongViewCast")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable( $this$enableEdgeToEdge: this);
        setContentView(R.layout.activity_main);

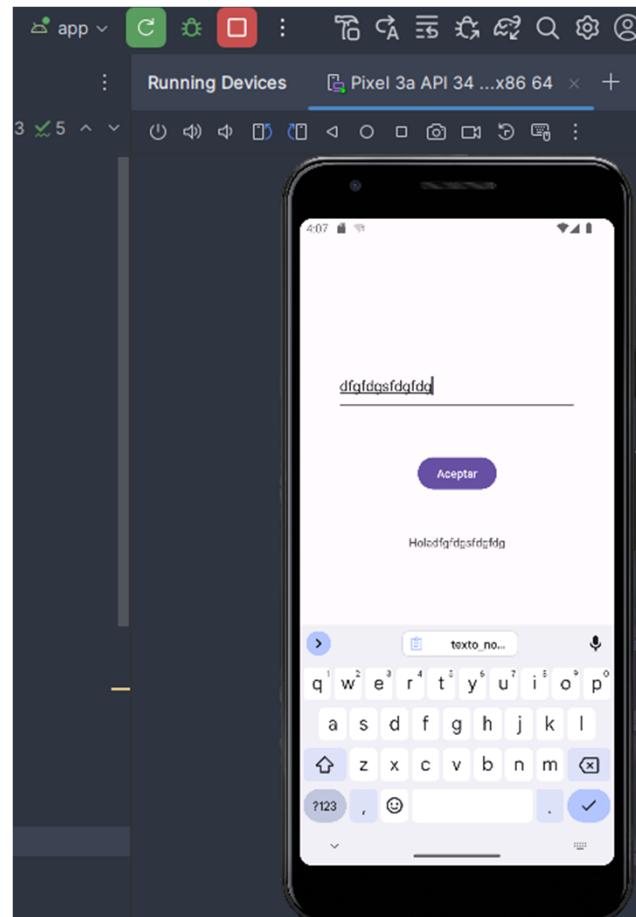
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);

            texto_nombre = v.findViewById(R.id.editTextText);
            aceptar = v.findViewById(R.id.button);
            mensaje = v.findViewById(R.id.textView);

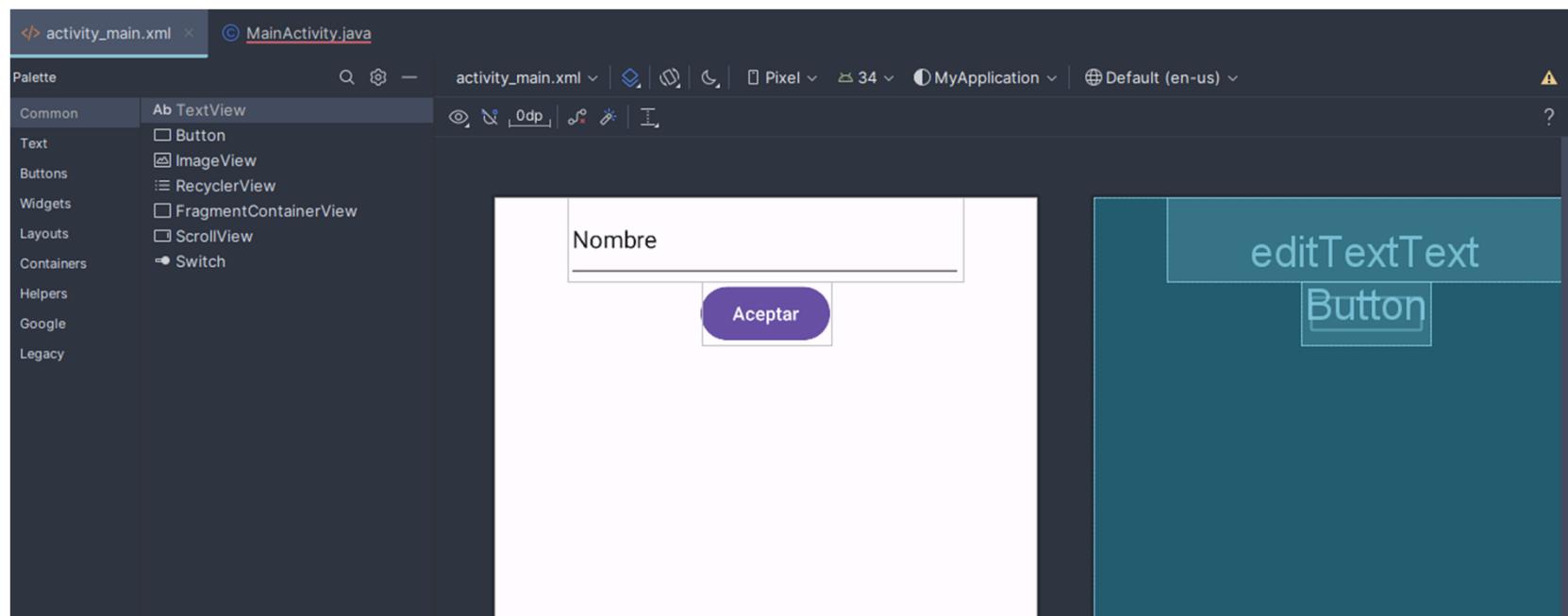
            aceptar.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View v) {
                    mensaje.setText("Hola"+ texto_nombre.getText());
                }
            });
        });

        return insets;
    }
}
```

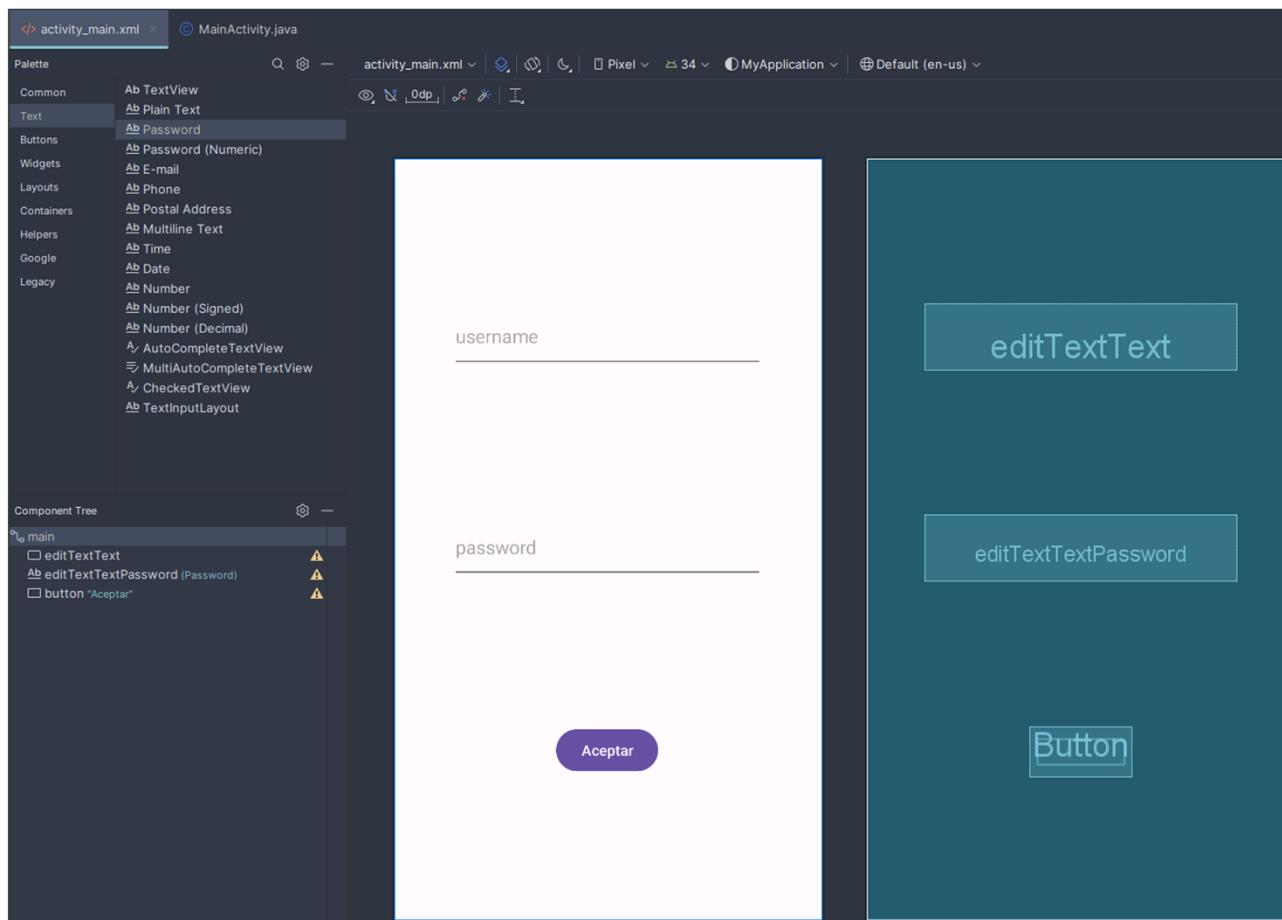
Segunda APP



Tercera APP



Tercera APP



Tercera APP

```
<com.google.android.material.textfield.TextInputEditText
    android:id="@+id/editTextText"
    android:layout_width="300dp"
    android:layout_height="64dp"
    android:ems="10"
    android:hint="username"
    android:inputType="text"
    app:layout_constraintBottom_toTopOf="@+id/editTextTextPassword"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.495"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.275" />

<EditText
    android:id="@+id/editTextTextPassword"
    android:layout_width="300dp"
    android:layout_height="64dp"
    android:ems="10"
    android:hint="password"
    android:inputType="textPassword"
    app:layout_constraintBottom_toTopOf="@+id/button"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/editTextText" />

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Aceptar"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/editTextTextPassword" />
```

Tercera APP

```
public class MainActivity extends AppCompatActivity {

    2 usages
    public TextInputEditText username;
    2 usages
    public EditText clave;
    ! 2 usages
    public Button aceptar;

    @SuppressLint("WrongViewCast")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable( $this$enableEdgeToEdge: this);
        setContentView(R.layout.activity_main);

        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);

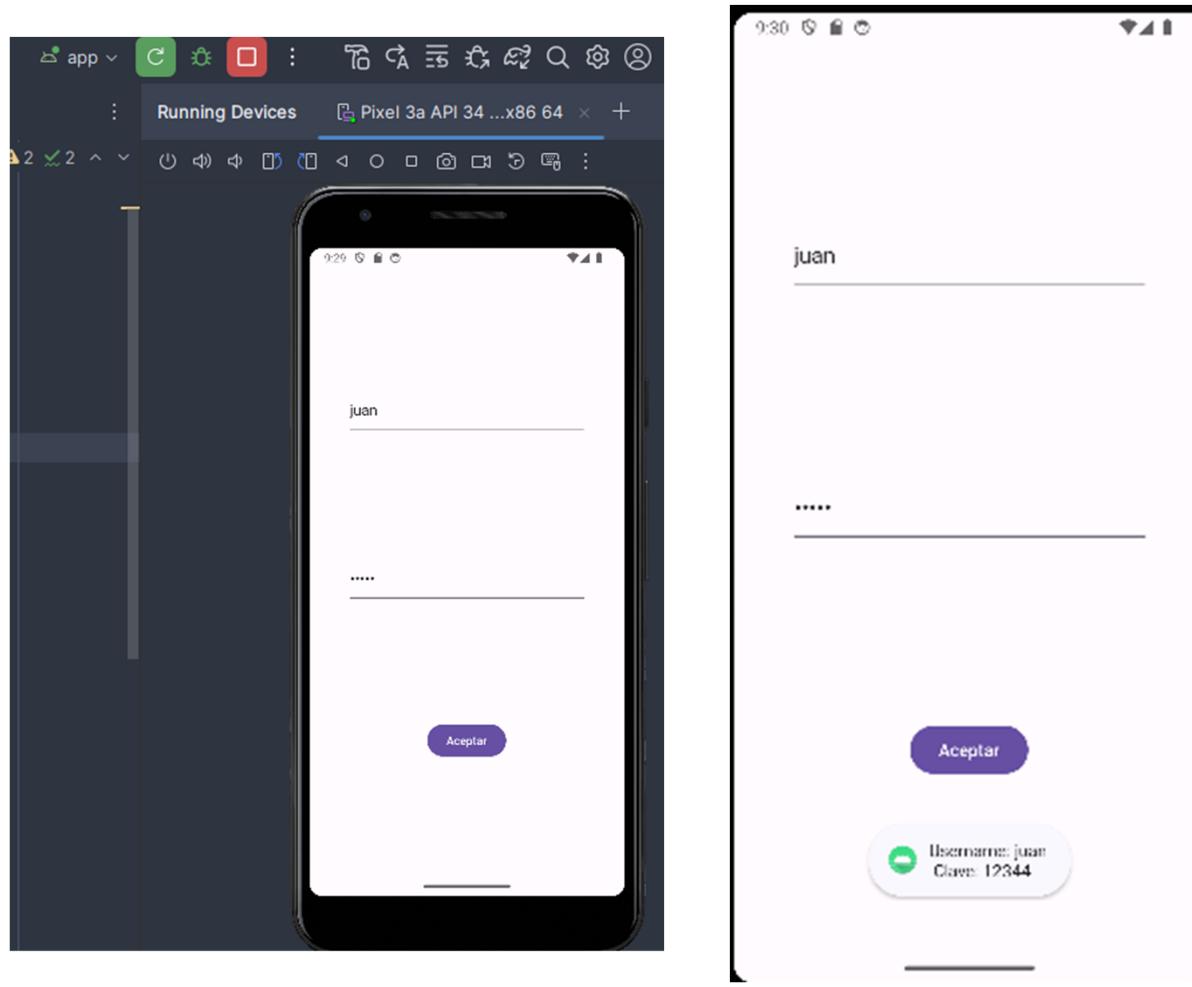
            username = v.findViewById(R.id.editTextText);
            clave = v.findViewById(R.id.editTextTextPassword);
            aceptar = v.findViewById(R.id.button);

            aceptar.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View v) {
                    String datos = "Username: " + username.getText() + "\n Clave: " + clave.getText();
                    Toast.makeText(getApplicationContext(),datos, Toast.LENGTH_SHORT).show();
                }
            });
        });

        return insets;
    }

}
```

Tercera APP



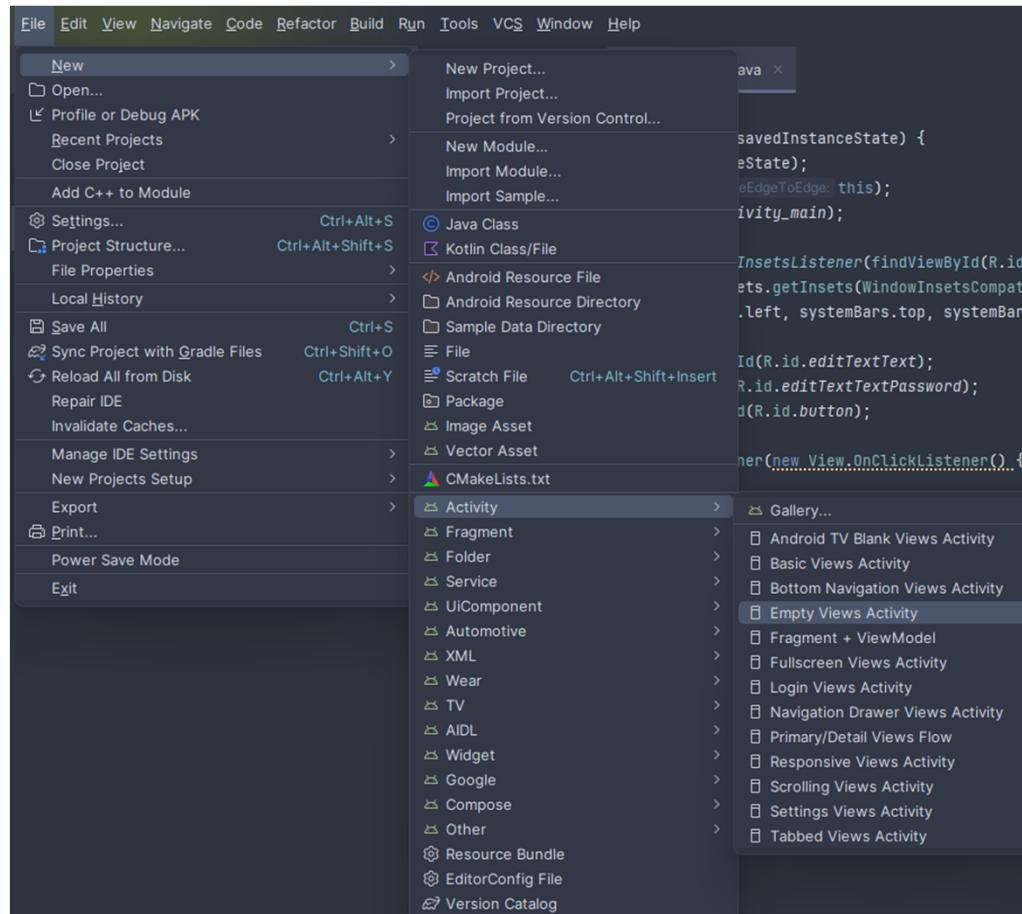
Tercera APP

```
aceptar.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        String datos = "Username: " + username.getText() + "\n Clave: " + clave.getText();
        Toast.makeText(getApplicationContext(), datos, Toast.LENGTH_SHORT).show();

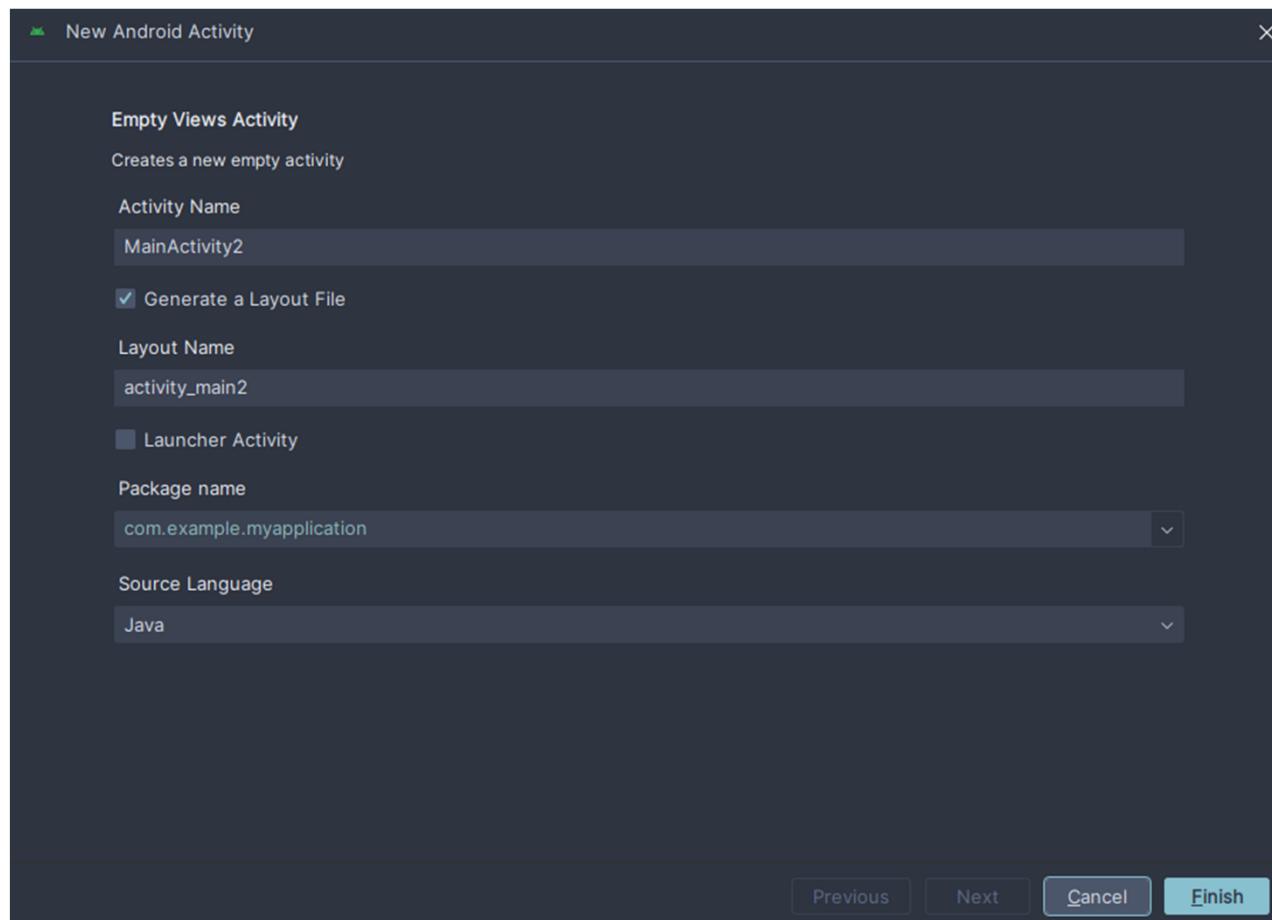
        String name = String.valueOf(username.getText());
        String pass = String.valueOf(clave.getText());

        if(name.equals("umarino") && pass.equals("1234")){
            Toast.makeText(getApplicationContext(), text: "Acceso Autorizado :)", Toast.LENGTH_SHORT).show();
        }else{
            Toast.makeText(getApplicationContext(), text: "Datos incorrectos :( ", Toast.LENGTH_SHORT).show();
        }
    }
});
```

Tercera APP



Tercera APP



Tercera APP

The screenshot shows the Android Studio interface with the following details:

- Project Structure:** The left sidebar displays the project structure under "Android". It includes the "app" module with sub-directories "manifests", "java", "res", and "Gradle Scripts". The "java" directory contains packages "com.example.myapplication" with classes "MainActivity" and "MainActivity2", and a "generated" folder. The "res" directory contains "drawable", "layout" (with XML files "activity_main.xml" and "activity_main2.xml"), "mipmap", "values", and "xml".
- Code Editor:** The right pane shows the code for "MainActivity2.java". The code is as follows:

```
1 package com.example.myapplication;
2
3 import ...
4
5 public class MainActivity2 extends AppCompatActivity {
6
7     @Override
8     protected void onCreate(Bundle savedInstanceState) {
9         super.onCreate(savedInstanceState);
10        EdgeToEdge.enable( $this$enableEdgeToEdge: this);
11        setContentView(R.layout.activity_main2);
12        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
13            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
14            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
15            return insets;
16        });
17    }
18}
19
20}
21
22}
23}
24}
```

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The screenshot shows the Android Studio interface with the following details:

- Top Bar:** Shows tabs for activity_main.xml, MainActivity.java, activity_main2.xml (selected), and MainActivity2.java.
- Left Panel (Code View):** Displays the XML code for activity_main2.xml. The code defines a ConstraintLayout with a central TextView containing the text "Bienvenido".

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity2">

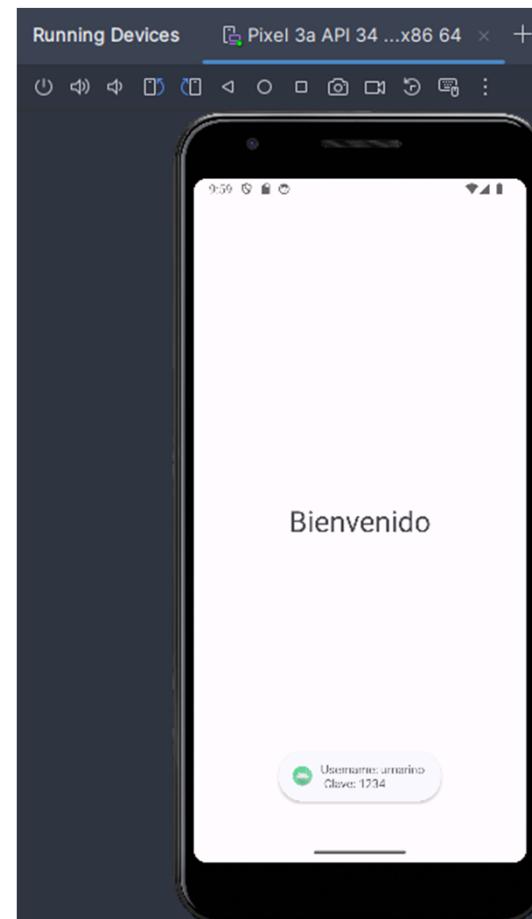
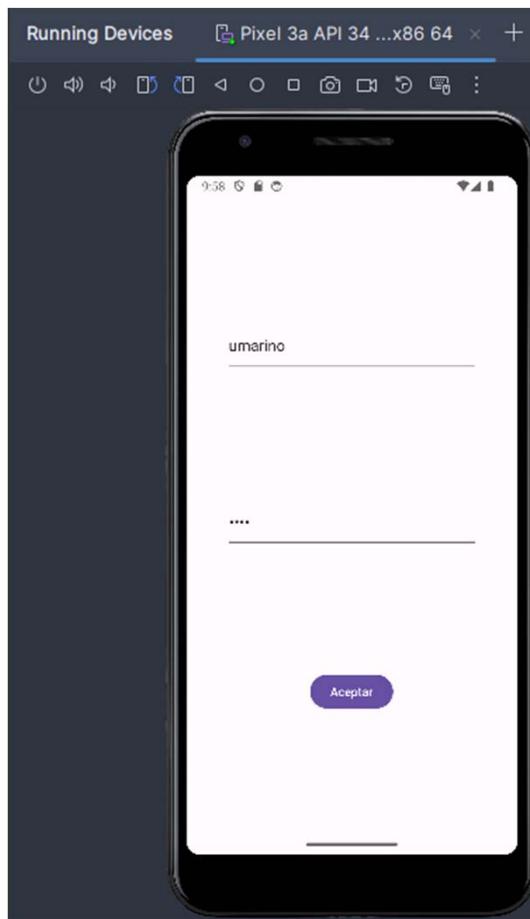
    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Bienvenido"
        android:textSize="34sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

- Right Panel (Preview View):** Shows a preview of the Android application's user interface. It features a single TextView centered on the screen with the text "Bienvenido".
- Bottom Right:** A small "Bienvenido" text is also visible at the bottom right of the slide.

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```
if(name.equals("umarino") && pass.equals("1234")){
    Toast.makeText(getApplicationContext(), text: "Acceso Autorizado :)", Toast.LENGTH_SHORT).show();
    Intent intent = new Intent( packageContext: MainActivity.this,MainActivity2.class);
    startActivity(intent);
}else{
    Toast.makeText(getApplicationContext(), text: "Datos incorrectos :( ", Toast.LENGTH_SHORT).show();
}
```

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```
3 usages
public TextInputEditText username;
3 usages
public EditText clave;
2 usages
public Button aceptar;
2 usages
public static final String dato_name = "username";
```

```
if(name.equals("umarino") && pass.equals("1234")){
    Toast.makeText(getApplicationContext(), text: "Acceso Autorizado :)", Toast.LENGTH_SHORT).show();

    Intent intent = new Intent( packageContext: MainActivity.this,MainActivity2.class);
    intent.putExtra(dato_name, name);
    startActivity(intent);

} else{
    Toast.makeText(getApplicationContext(), text: "Datos incorrectos :( ", Toast.LENGTH_SHORT).show();
}
```

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```
public class MainActivity2 extends AppCompatActivity {

    2 usages
    public TextView saludo;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable( $this$enableEdgeToEdge: this);
        setContentView(R.layout.activity_main2);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);

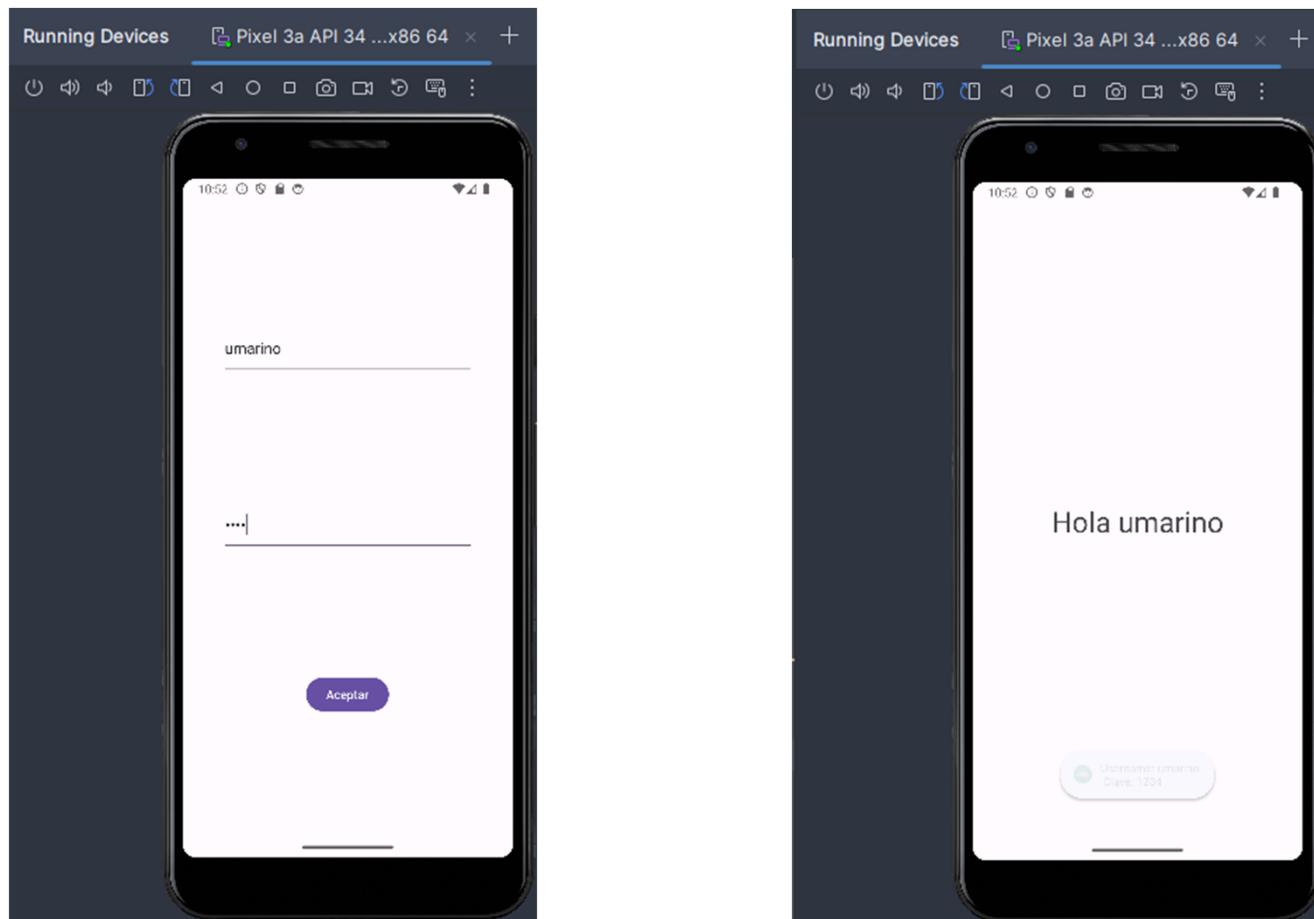
            saludo = v.findViewById(R.id.textView);

            Intent intent = getIntent();
            String dato = intent.getStringExtra(MainActivity.dato_name);

            saludo.setText("Hola "+dato);

            return insets;
        });
    }
}
```

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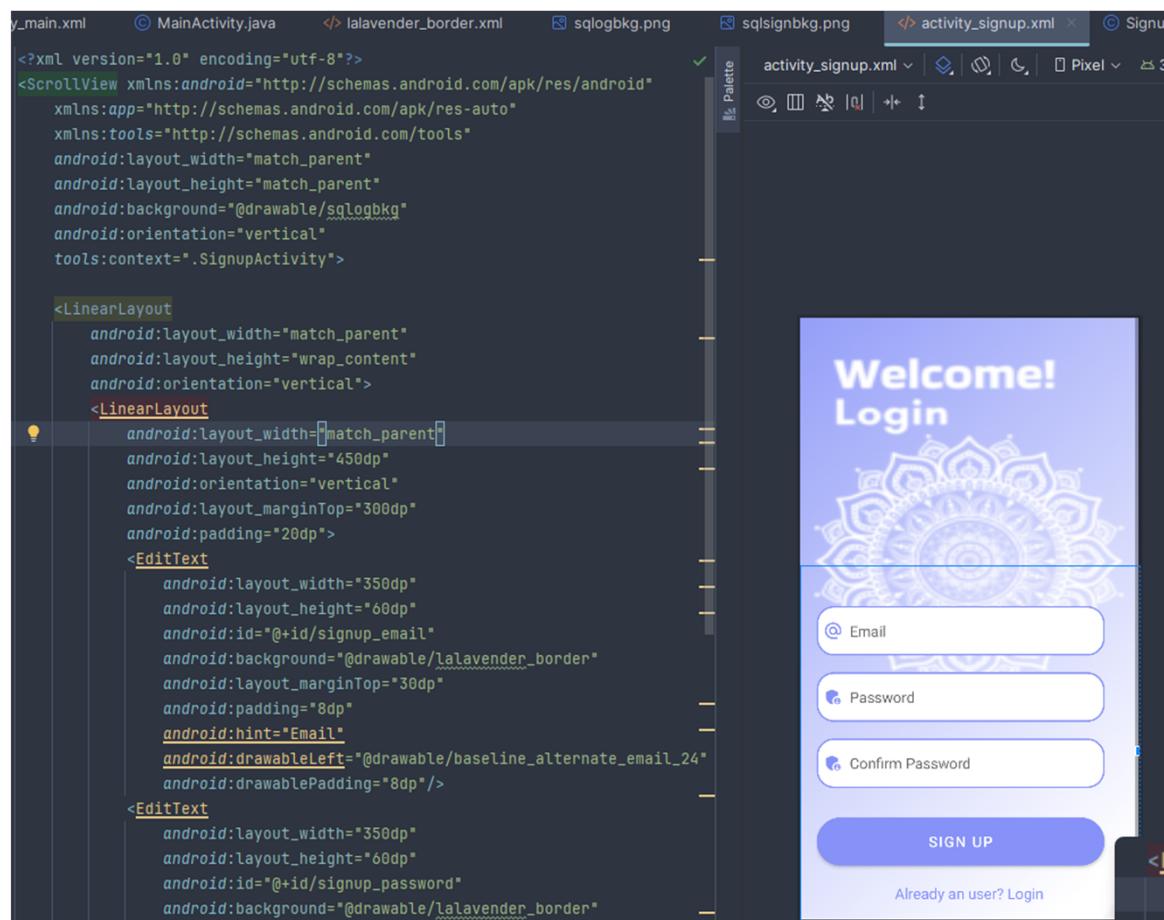
```
buildTypes { this: NamedDomainObjectContainer<ApplicationBuildType>
    release { this: ApplicationBuildType
        isMinifyEnabled = false
        proguardFiles(
            getDefaultProguardFile( name: "proguard-android-optimize.txt"),
            "proguard-rules.pro"
        )
    }
}

buildFeatures{ this: ApplicationBuildFeatures
    viewBinding = true
}

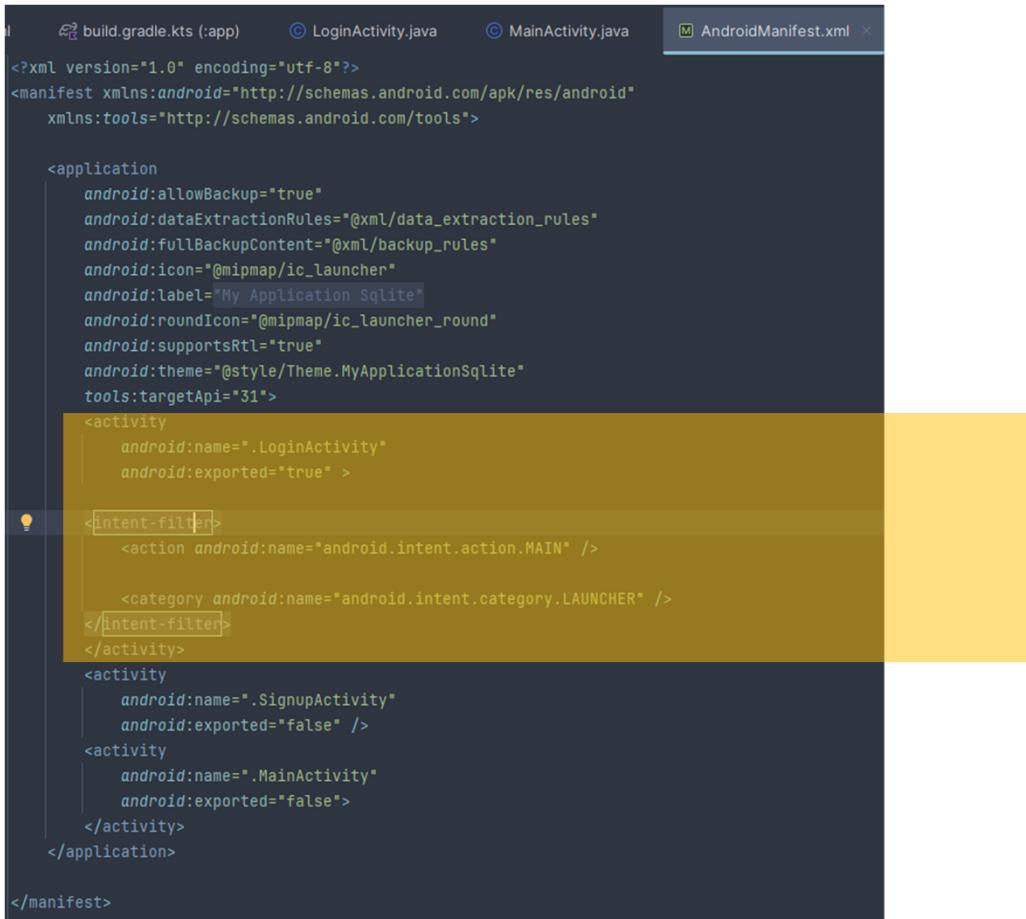
compileOptions { this: CompileOptions
    sourceCompatibility = JavaVersion.VERSION_1_8
    targetCompatibility = JavaVersion.VERSION_1_8
}
```

Agregar '='

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```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="My Application Sqlite"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.MyApplicationSqlite"
        tools:targetApi="31">
        <activity
            android:name=".LoginActivity"
            android:exported="true" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity
            android:name=".SignupActivity"
            android:exported="false" />
        <activity
            android:name=".MainActivity"
            android:exported="false">
        </activity>
    </application>
</manifest>
```

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