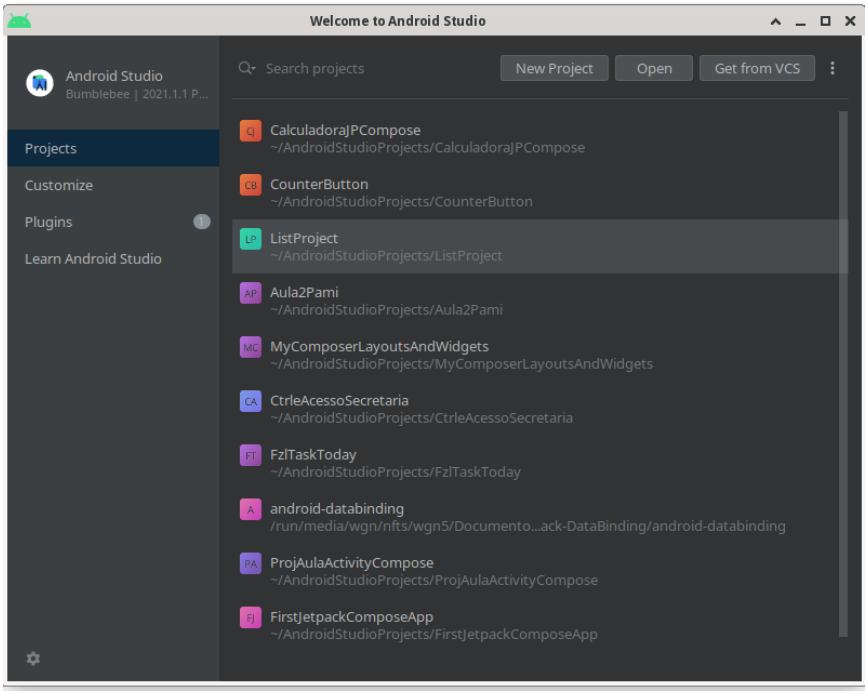
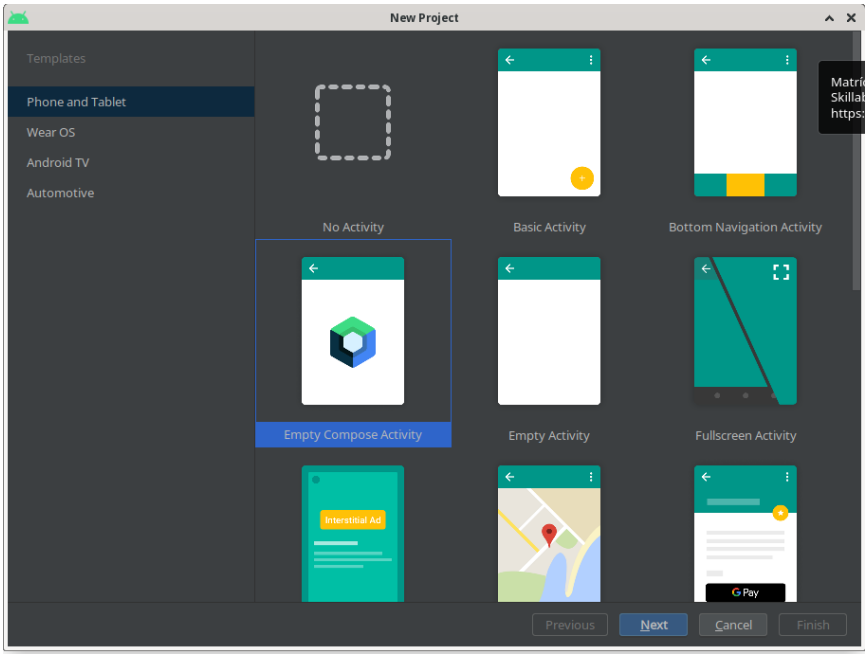
Calculadora Super Simples com Jetpack Compose

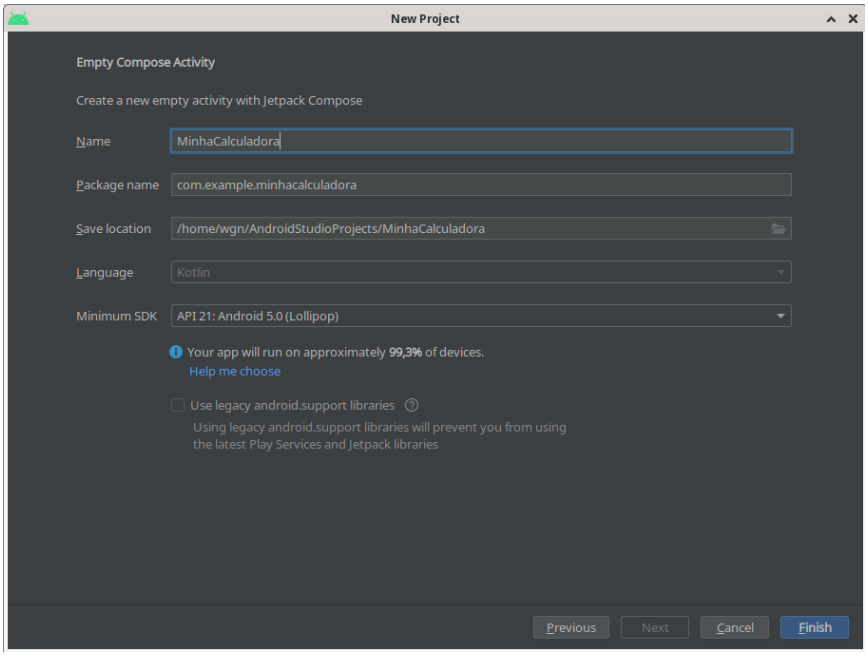
wgn

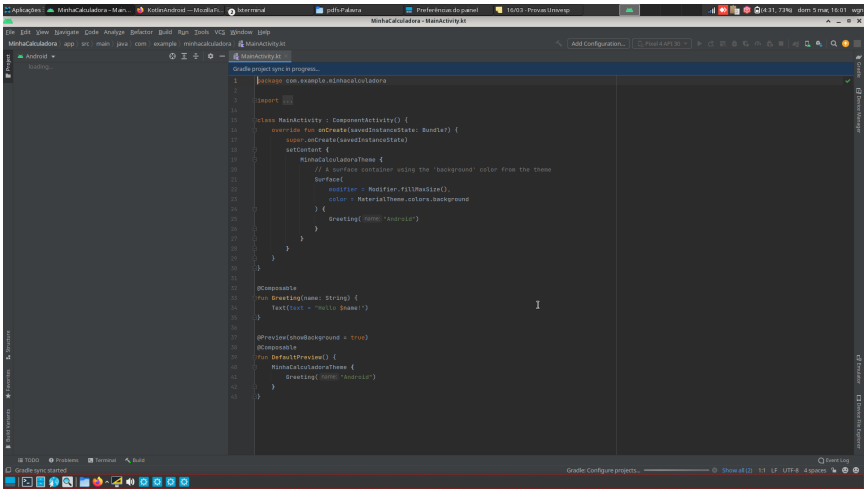
March 6, 2023

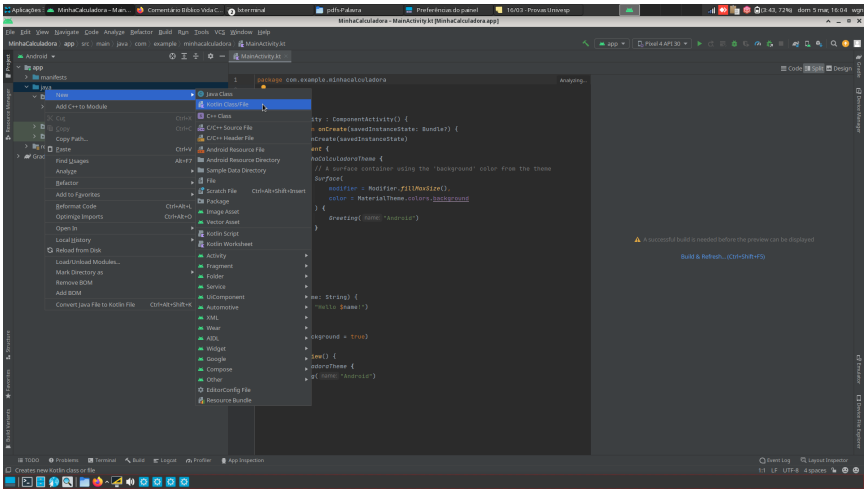
Contents

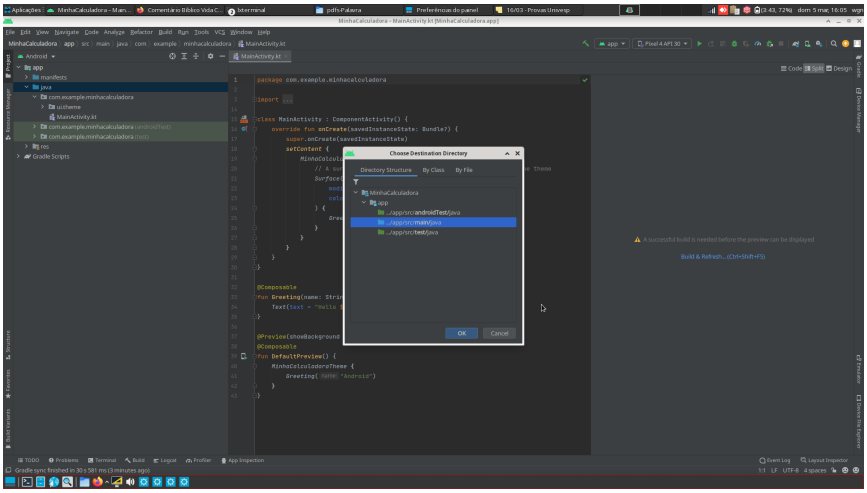


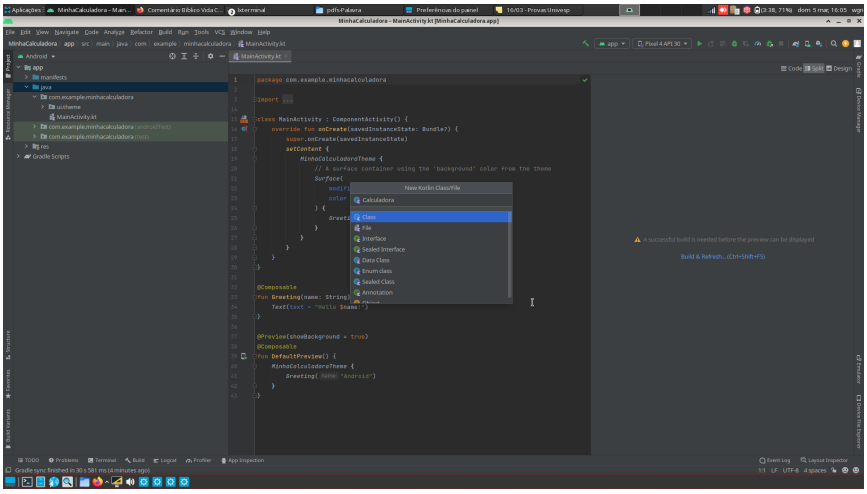

New Project
Templates
Phone and Tablet
Wear OS
Android TV
Automotive
No Activity
Basic Activity
Bottom Navigation Activity
Empty Compose Activity
Empty Activity
Fullscreen Activity
Interstitial Ad
Previous
Next
Cancel
Finish

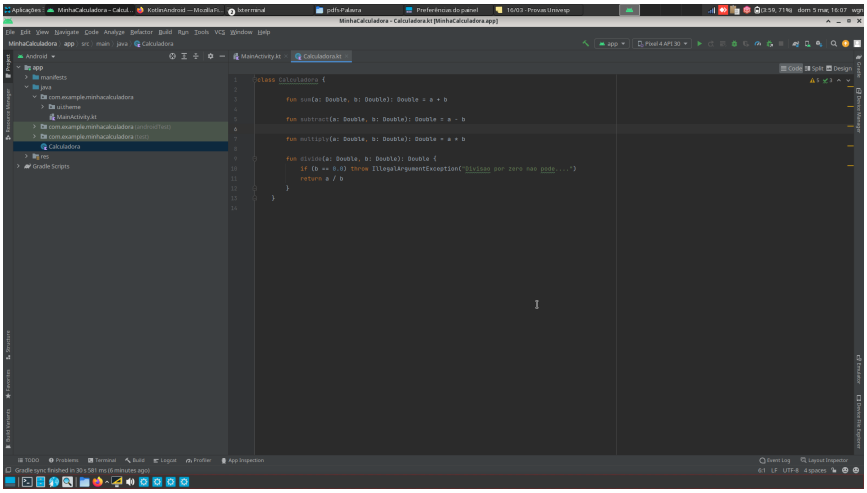

New Project
Empty Compose Activity
Create a new empty activity with Jetpack Compose
Name
MinhaCalculadora
Package name
com.example.minhacalculadora
Save location
/home/wgn/AndroidStudioProjects/MinhaCalculadora
Language
Kotlin
Minimum SDK
API 21: Android 5.0 (Lollipop)
Your app will run on approximately 99,3% 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



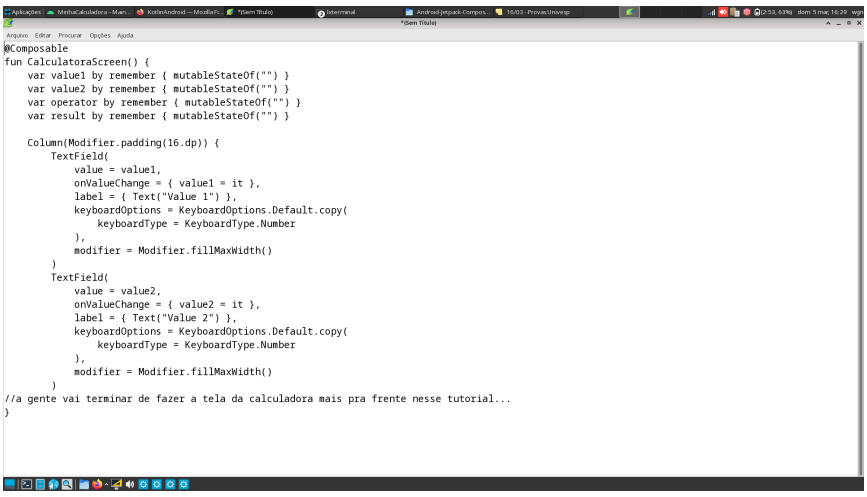



Choose Destination Directory
Directory Structure
By Class
By File
MinhaCalculadora
app
.../app/src/androidTest/java
.../app/src/main/java
.../app/src/test/java
OK
Cancel

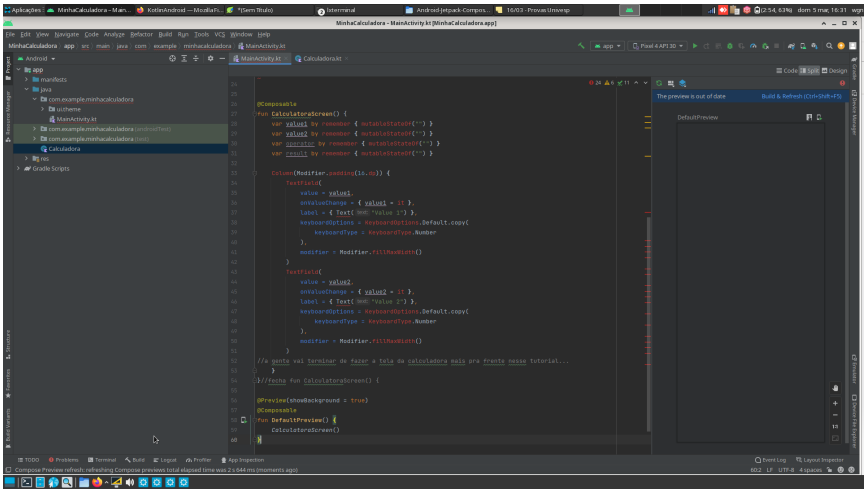

New Kotlin Class/File
Calculadora
Class
File
Interface
Sealed Interface
Data Class
Enum class
Sealed Class
Annotation

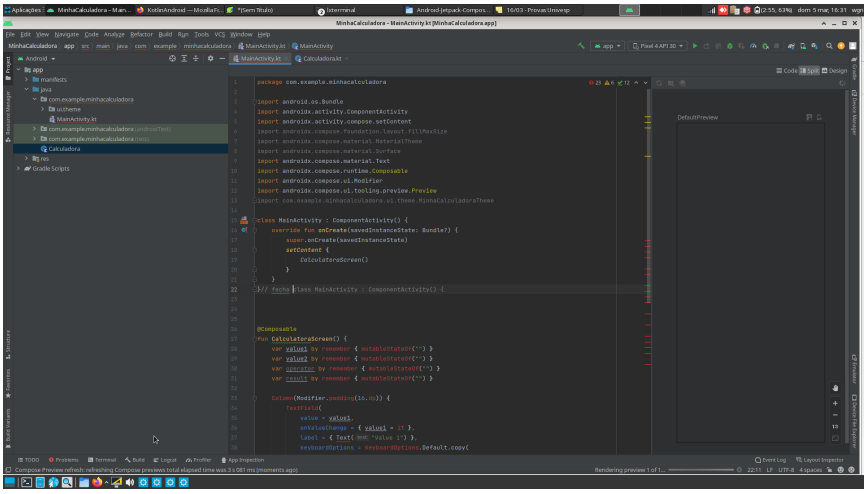


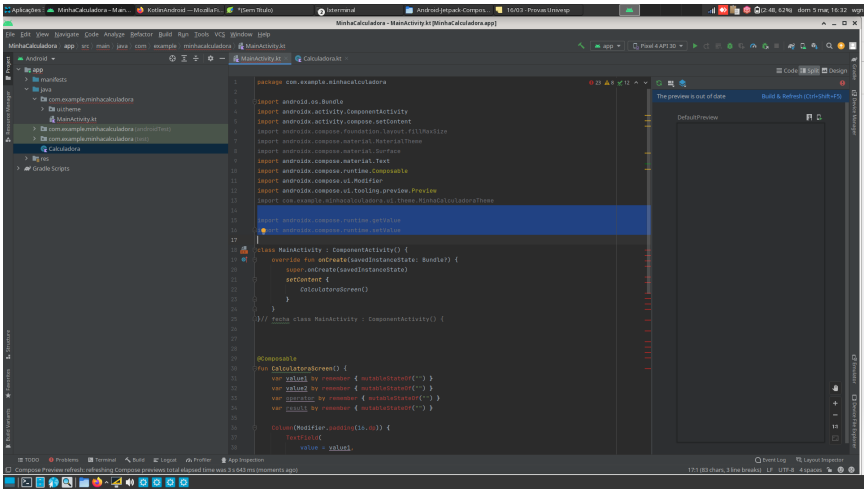
```
class Calculadora {

        fun sum(a: Double, b: Double): Double = a + b

        fun subtract(a: Double, b: Double): Double = a - b

        fun multiply(a: Double, b: Double): Double = a * b

        fun divide(a: Double, b: Double): Double {
            if (b == 0.0) throw IllegalArgumentException("Divisao por zero nao pode....")
            return a / b
        }
    }
```



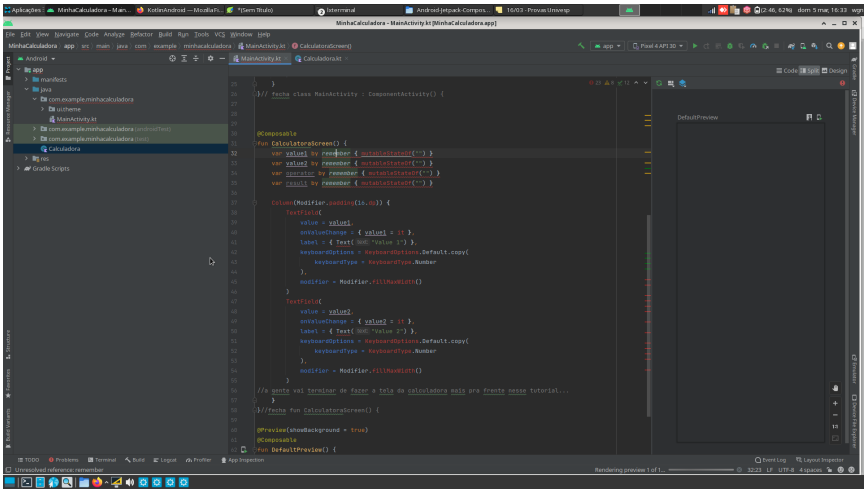
```
@Composable
fun CalculatoraScreen() {
    var value1 by remember { mutableStateOf("") }
    var value2 by remember { mutableStateOf("") }
    var operator by remember { mutableStateOf("") }
    var result by remember { mutableStateOf("") }

    Column(Modifier.padding(16.dp)) {
        TextField(
            value = value1,
            onValueChange = { value1 = it },
            label = { Text("Value 1") },
            keyboardOptions = KeyboardOptions.Default.copy(
                keyboardType = KeyboardType.Number
            ),
            modifier = Modifier.fillMaxWidth()
        )
        TextField(
            value = value2,
            onValueChange = { value2 = it },
            label = { Text("Value 2") },
            keyboardOptions = KeyboardOptions.Default.copy(
                keyboardType = KeyboardType.Number
            ),
            modifier = Modifier.fillMaxWidth()
        )
//a gente vai terminar de fazer a tela da calculadora mais pra frente nesse tutorial...
}
```

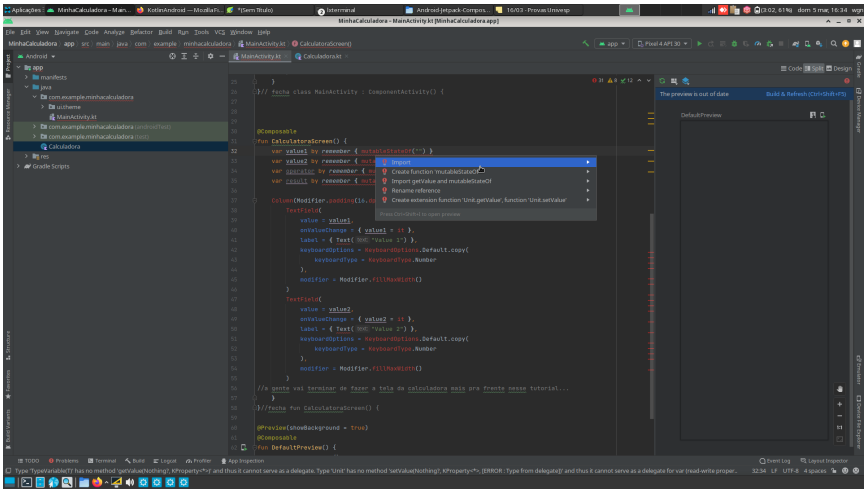


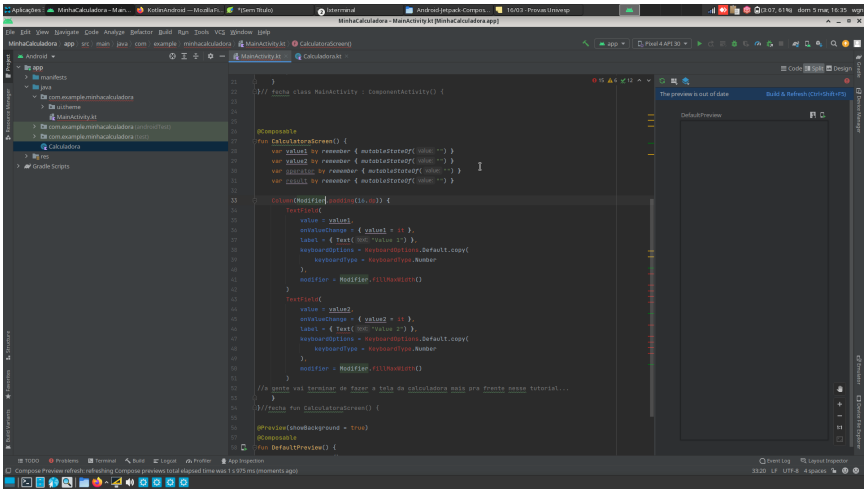


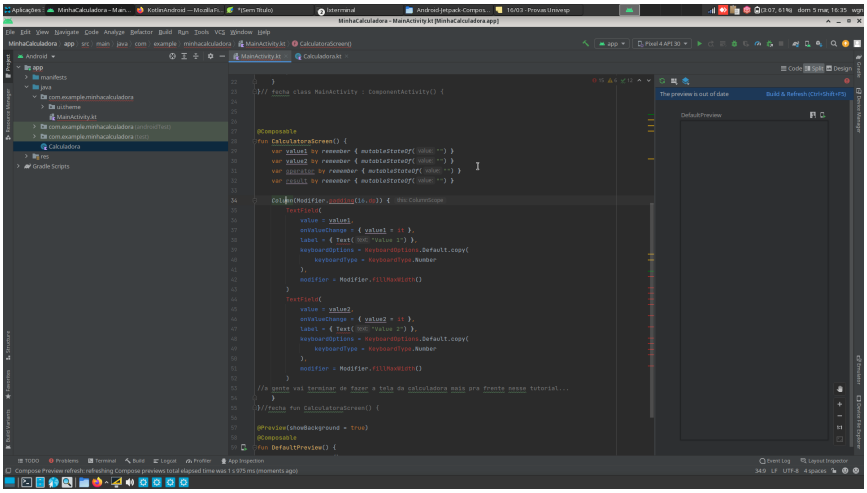


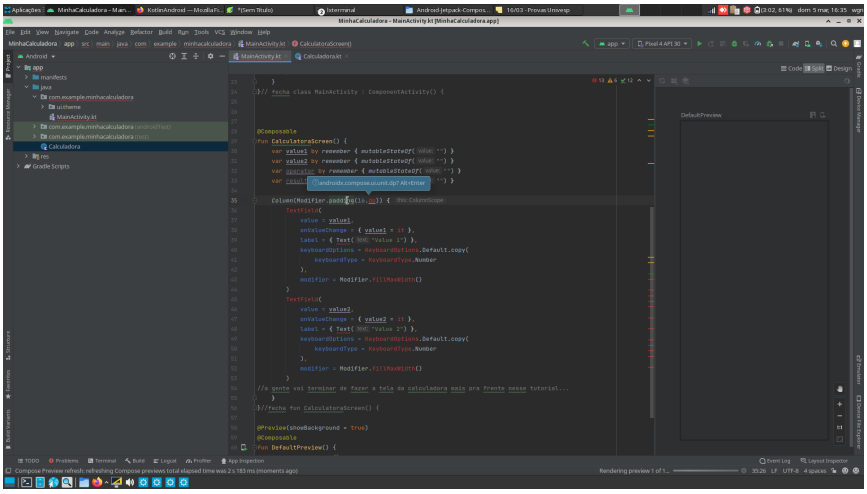
```
import androidx.compose.runtime.getValue
import androidx.compose.runtime.setValue
```

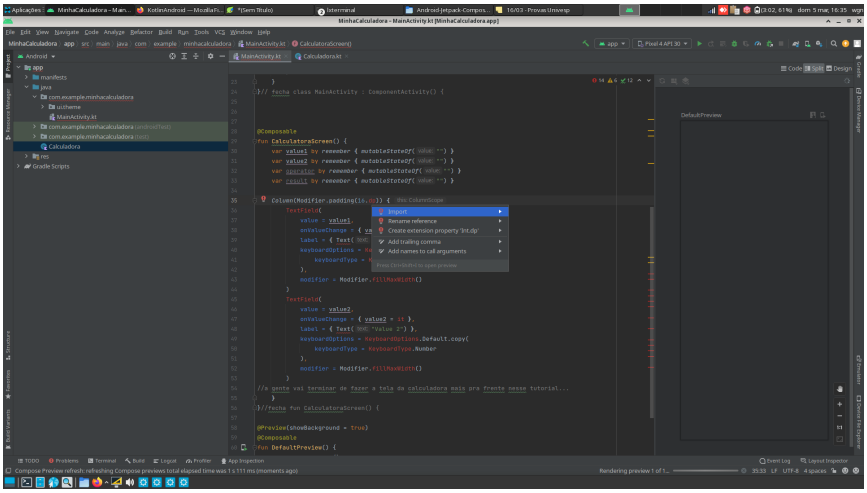


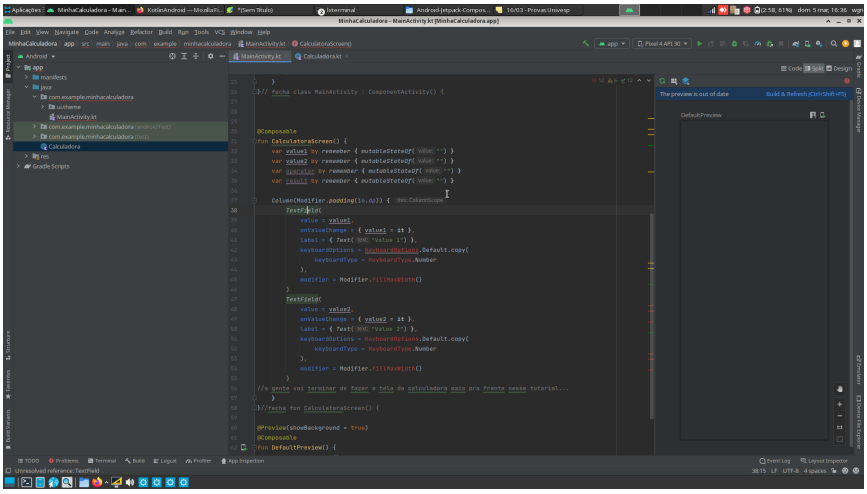


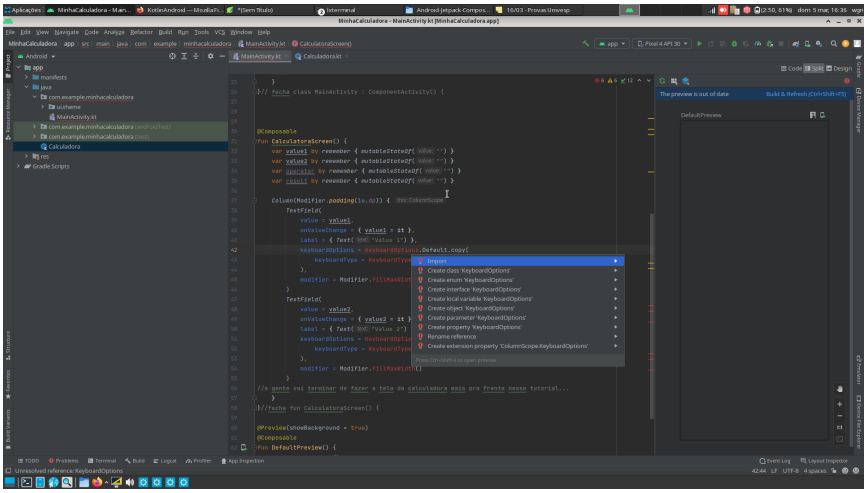


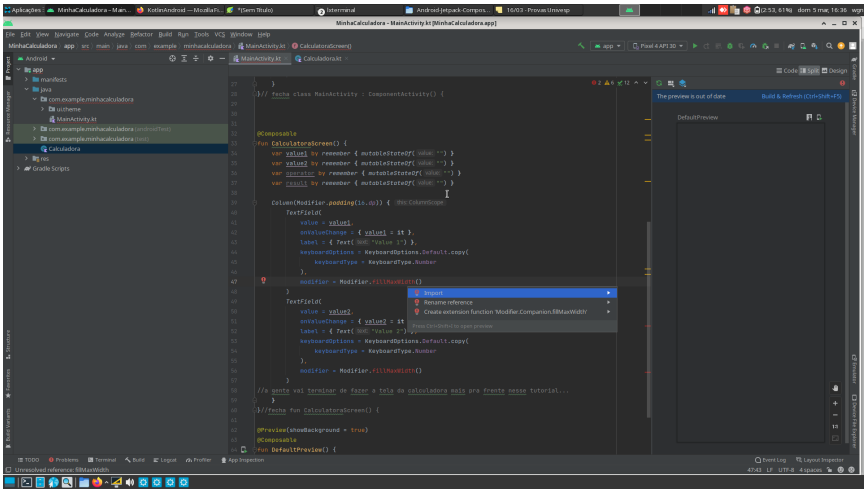


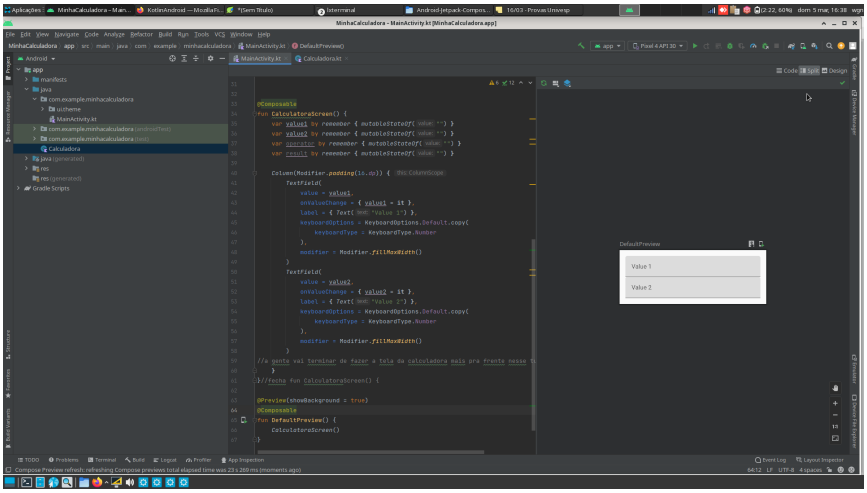


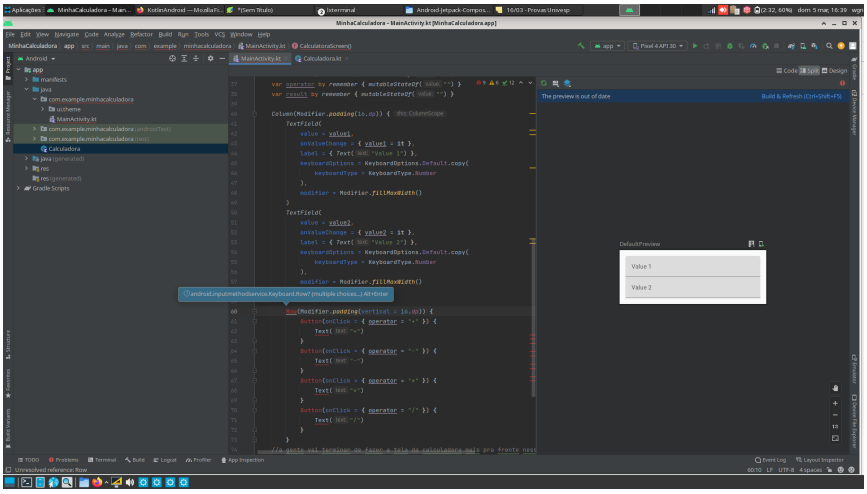


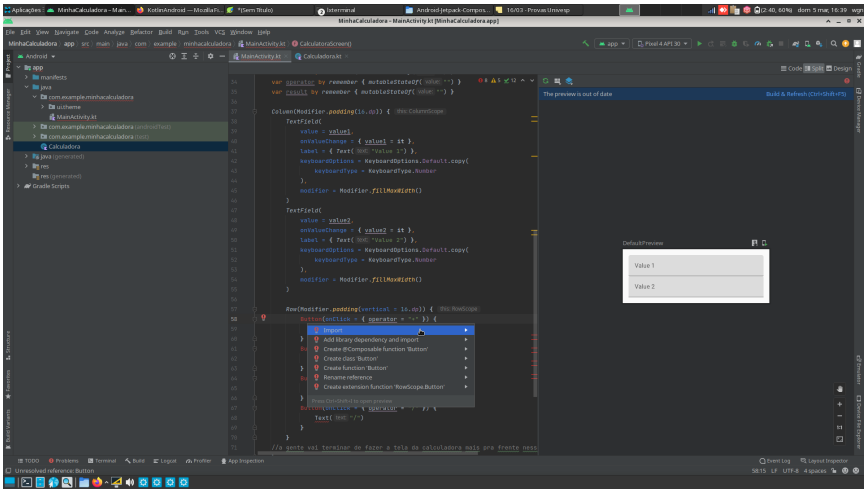


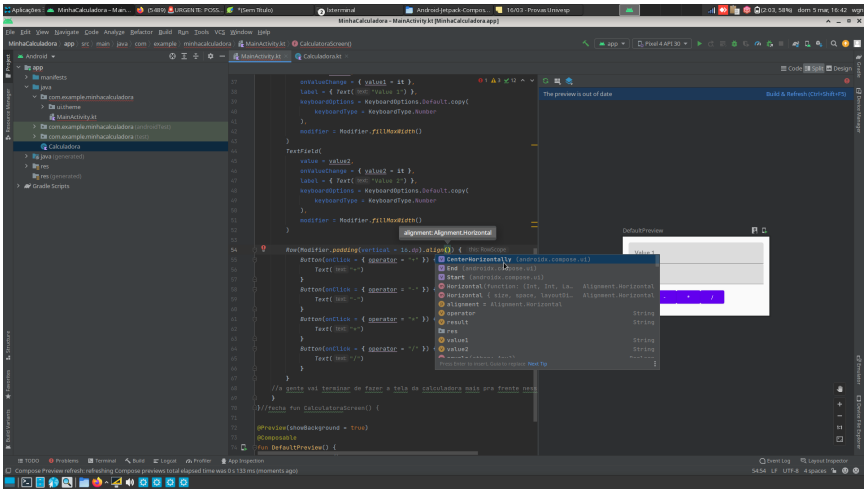


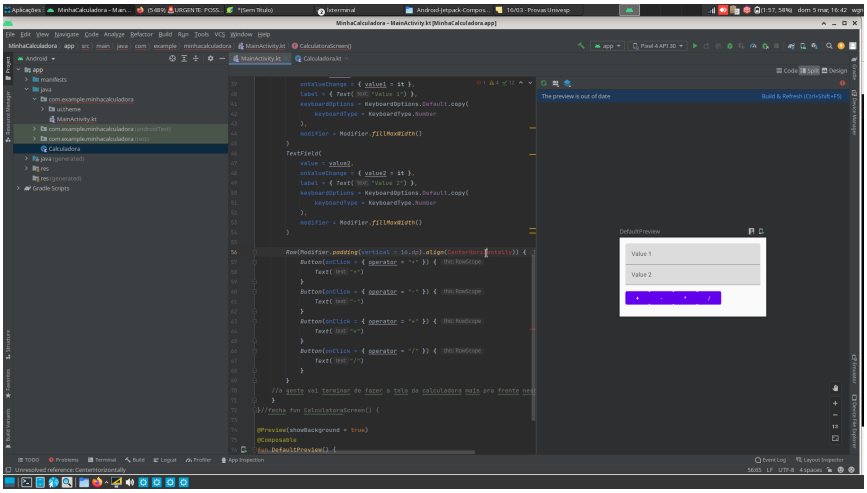


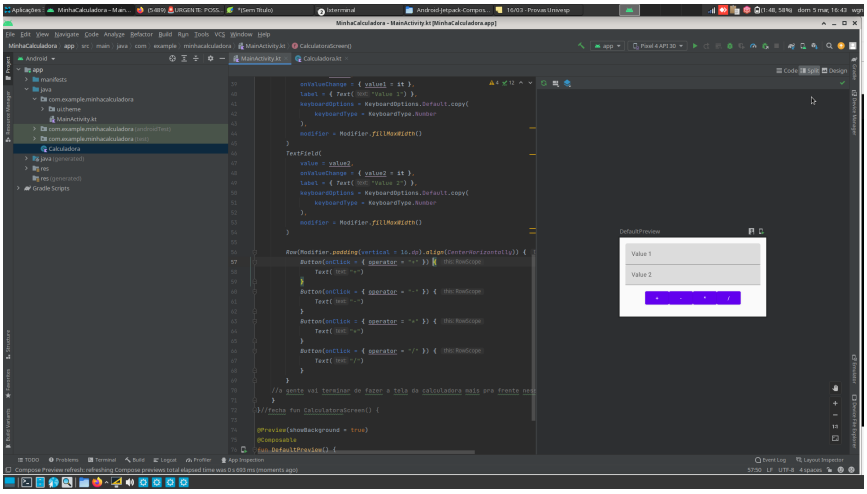


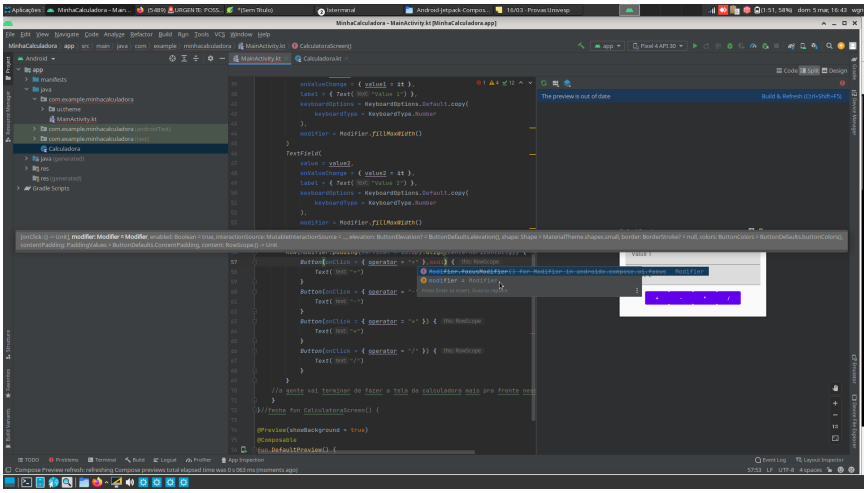


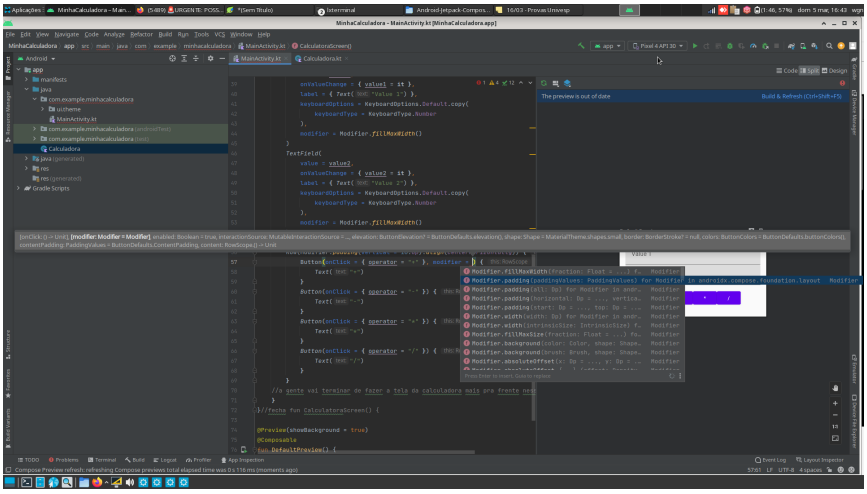


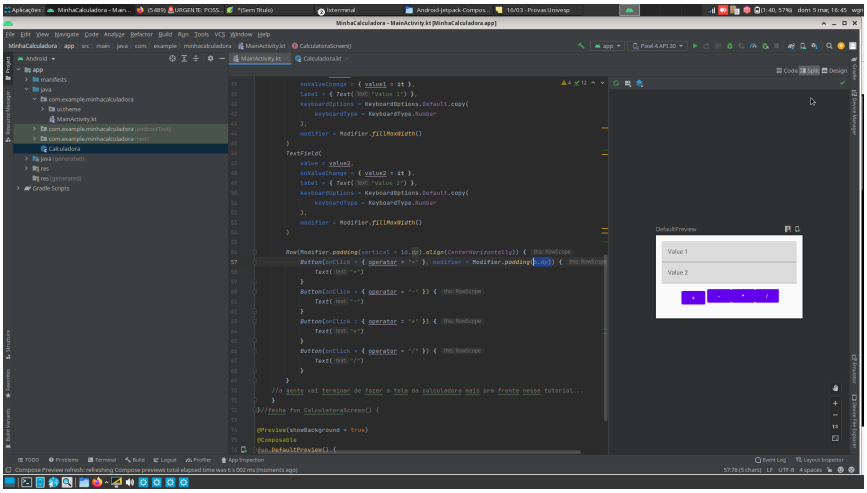


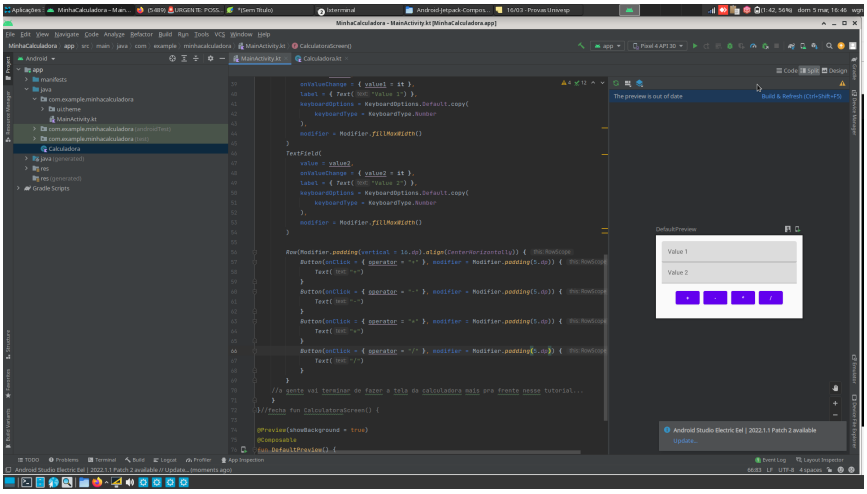


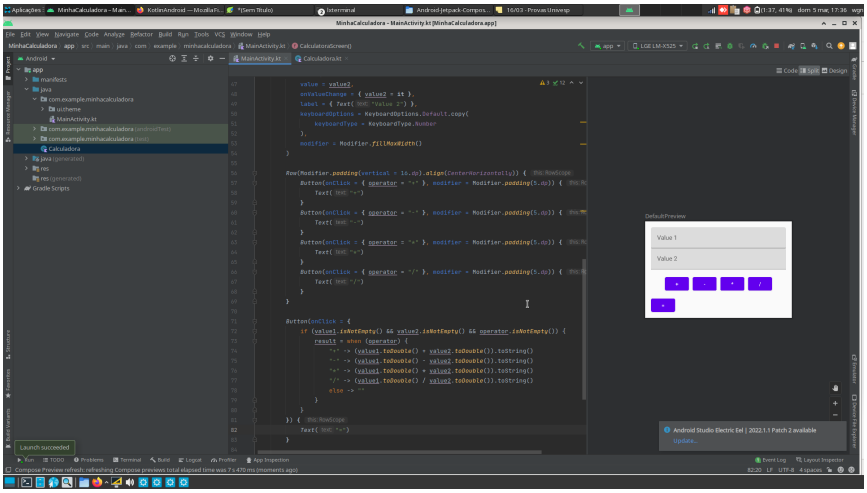


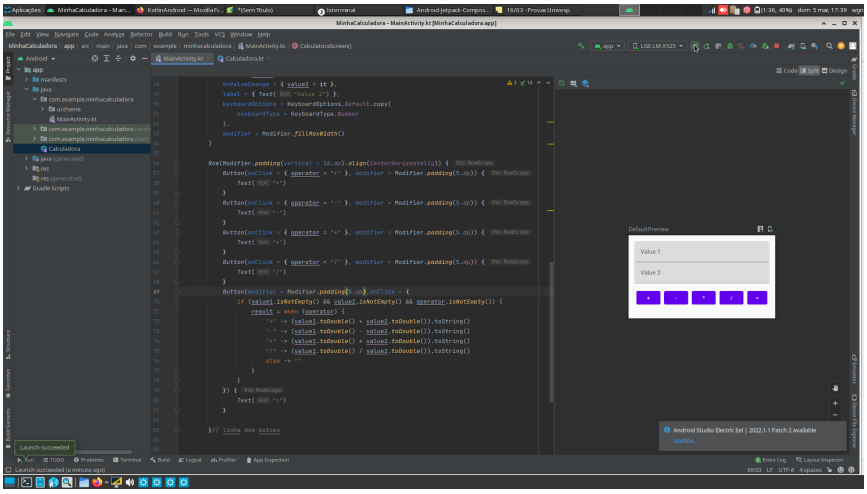


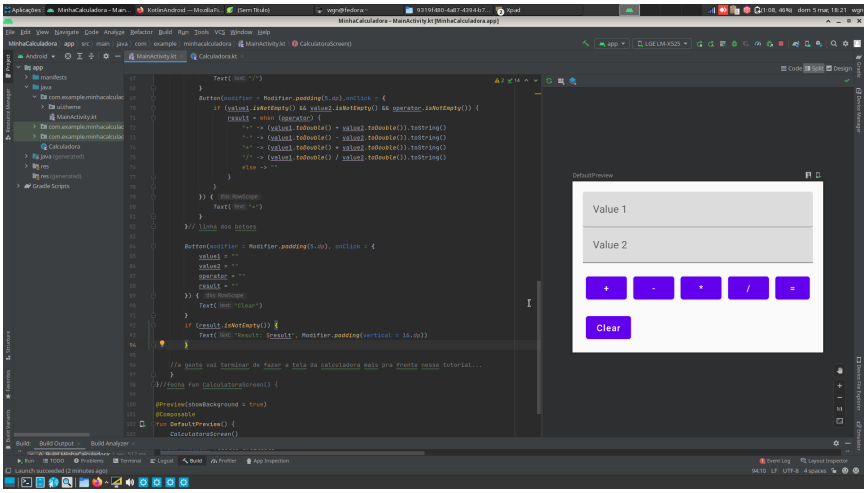











DefaultPreview
Value 1
Value 2
+
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*
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Clear