ACTIVITY MAIN.XML

```
xmlns:app="http://schemas.android.com/apk/res-auto"
android:layout width="match parent"
android:orientation="vertical"
<LinearLayout
    android:layout width="match parent"
    android:layout height="0dp"
    android:layout weight="1"
        android:id="@+id/input"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:textColor="@color/white"
        tools:text="5+10-3" />
    <TextView
        android:id="@+id/output"
        android:layout width="match parent"
        android:textColor="@color/neon green"
        android:textSize="50sp"
</LinearLayout>
    android:layout_height="wrap_content"
        <androidx.appcompat.widget.AppCompatButton</pre>
            android:textColor="@color/red" />
        <androidx.appcompat.widget.AppCompatButton</pre>
            android:id="@+id/button bracket left"
            android:layout width="wrap content"
            android:layout height="90dp"
            android:text="("
            android:textColor="@color/orange" />
            style="@style/Button Style"
            android:layout width="wrap content"
            android:layout height="90dp"
            android:text=")"
            android:textColor="@color/orange" />
```

```
<androidx.appcompat.widget.AppCompatButton</pre>
        android:layout width="wrap content"
        android:textColor="@color/orange" />
</TableRow>
    <androidx.appcompat.widget.AppCompatButton</pre>
        android:layout width="wrap content"
        android:layout_height="90dp"
        android:text="7" />
    <androidx.appcompat.widget.AppCompatButton</pre>
        android:layout width="wrap content"
        android:layout height="90dp"
    <androidx.appcompat.widget.AppCompatButton</pre>
        android:id="@+id/button 9"
        style="@style/Button Style"
        android:layout width="wrap content"
        android:layout height="90dp"
        android:text="9" />
    <androidx.appcompat.widget.AppCompatButton</pre>
        android:id="@+id/button multiply"
        android:layout width="wrap content"
        android:layout height="90dp"
        android:layout width="wrap content"
        android:layout height="90dp"
    <androidx.appcompat.widget.AppCompatButton</pre>
        android:layout_height="90dp"
android:text="5" />
    <androidx.appcompat.widget.AppCompatButton</pre>
    <androidx.appcompat.widget.AppCompatButton</pre>
        android:layout width="wrap content"
        android:textColor="@color/orange" />
```

```
android:id="@+id/button 1"
            <androidx.appcompat.widget.AppCompatButton</pre>
                 android:layout width="wrap content"
            <androidx.appcompat.widget.AppCompatButton</pre>
                 style="@style/Button Style"
                 android:layout width="wrap content"
                 android:layout height="90dp"
                android:layout width="wrap content"
                android:text="+"
                 android:textColor="@color/orange" />
            <androidx.appcompat.widget.AppCompatButton</pre>
                 android:id="@+id/button percent"
                 android:layout width="wrap content"
            <androidx.appcompat.widget.AppCompatButton</pre>
                 android:id="@+id/button 0"
                 style="@style/Button Style"
                 android:layout width="wrap content"
                 android:layout height="90dp"
            <androidx.appcompat.widget.AppCompatButton</pre>
                android:layout_height="90dp"
android:text="." />
            <androidx.appcompat.widget.AppCompatButton</pre>
                 android:layout_height="90dp"
        </TableRow>
    </TableLayout>
</LinearLayout>
Color.xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="purple 200">#FFBB86FC</color>
    <color name="purple 500">#FF6200EE</color>
    <color name="purple 700">#FF3700B3</color>
```

```
<color name="teal_200">#FF03DAC5</color>
    <color name="teal_700">#FF018786</color>
<color name="black">#FF000000</color>
    <color name="neon green">#39FF14</color>
    <style name="Button Style" parent="Widget.AppCompat.Button.Colored">
        <item name="android:textSize">24sp</item>
        <item name="android:textColor">@color/black</item>
    </style>
MAINACTIVITYKT
package com.example.myapplication
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.WindowInsetsCompat
import com.example.myapplication.databinding.ActivityMainBinding
import net.objecthunter.exp4j.ExpressionBuilder
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        binding = ActivityMainBinding.inflate(layoutInflater)
        setContentView(binding.root)
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) {
            val systemBars =
insets.getInsets(WindowInsetsCompat.Type.systemBars())
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom)
        binding.buttonClear.setOnClickListener{
            addToInputText("(")
            addToInputText(")")
        binding.button0.setOnClickListener {
            addToInputText("0")
            addToInputText("1")
        binding.button2.setOnClickListener {
```

```
addToInputText("2")
binding.button3.setOnClickListener {
    addToInputText("3")
binding.button4.setOnClickListener {
    addToInputText("4")
1
    addToInputText("5")
    addToInputText("6")
}
    addToInputText("7")
    addToInputText("8")
    addToInputText("9")
    addToInputText(".")
binding.buttonDivision.setOnClickListener {
    addToInputText("÷")
}
    addToInputText("x")
1
    addToInputText("-")
    addToInputText("+")
    showResult()
    addToInputText("%")
binding.input.append(s)
return binding.input.text.toString()
    val expression = getInputExpression().replace("%", "/100") //
    val result = ExpressionBuilder(expression).build().evaluate()
        DecimalFormat("0.#####").format(result).toString()
       ContextCompat.getColor(this,
} catch (e: Exception) {
```

```
R.color.red))
BUILD.GRADEL
    alias(libs.plugins.android.application)
    alias(libs.plugins.kotlin.android)
    defaultConfig {
    buildTypes {
            proguardFiles(
                getDefaultProguardFile("proguard-android-optimize.txt"),
    compileOptions {
    buildFeatures{
```