

```

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    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"
    android:background="@color/black"
    android:orientation="vertical"
    tools:context=".MainActivity">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="1"
        android:background="@color/black"
        android:gravity="bottom"
        android:orientation="vertical"
        android:padding="30dp">
        <TextView
            android:id="@+id/input"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="end"
            android:textColor="@color/white"
            android:textSize="30sp"
            tools:text="5+10=3" />
        <TextView
            android:id="@+id/output"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="end"
            android:textColor="@color/neon_green"
            android:textSize="50sp"
            tools:text="12" />
    </LinearLayout>
    <TableLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:stretchColumns="*">
        <TableRow>
            <androidx.appcompat.widget.AppCompatButton
                android:id="@+id/button_clear"
                style="@style/Button_Style"
                android:layout_width="wrap_content"

```

```

5         android:layout_width="wrap_content"
6         android:layout_height="90dp"
7         android:text="9" />
8     <androidx.appcompat.widget.AppCompatButton
9         android:id="@+id/button_multiply"
10        style="@style/Button_Style"
11        android:layout_width="wrap_content"
12        android:layout_height="90dp"
13        android:text="x"
14        android:textColor="@color/orange" />
15 </TableRow>
16 <TableRow>
17     <androidx.appcompat.widget.AppCompatButton
18         android:id="@+id/button_4"
19         style="@style/Button_Style"
20         android:layout_width="wrap_content"
21         android:layout_height="90dp"
22         android:text="4" />
23     <androidx.appcompat.widget.AppCompatButton
24         android:id="@+id/button_5"
25         style="@style/Button_Style"
26         android:layout_width="wrap_content"
27         android:layout_height="90dp"
28         android:text="5" />
29     <androidx.appcompat.widget.AppCompatButton
30         android:id="@+id/button_6"
31         style="@style/Button_Style"
32         android:layout_width="wrap_content"
33         android:layout_height="90dp"
34         android:text="6" />
35     <androidx.appcompat.widget.AppCompatButton
36         android:id="@+id/button_subtraction"
37         style="@style/Button_Style"
38         android:layout_width="wrap_content"
39         android:layout_height="90dp"
40         android:text="-"
41         android:textColor="@color/orange" />

```

```
63         <androidx.appcompat.widget.AppCompatButton
64             android:id="@+id/button_dot"
65             style="@style/Button_Style"
66             android:layout_width="wrap_content"
67             android:layout_height="90dp"
68             android:text="." />
69         <androidx.appcompat.widget.AppCompatButton
70             android:id="@+id/button_equals"
71             style="@style/Button_Style"
72             android:layout_width="wrap_content"
73             android:layout_height="90dp"
74             android:background="@color/orange"
75             android:text="="
76             android:textColor="@color/white" />
77     </TableRow>
78 </TableLayout>
79 </LinearLayout>
```

```

1 package com.example.a9
2
3 import android.os.Bundle
4 import androidx.appcompat.app.AppCompatActivity
5 import androidx.core.content.ContextCompat
6 import androidx.core.view.ViewCompat
7 import androidx.core.view.WindowInsetsCompat
8 import com.example.a9.databinding.ActivityMainBinding
9 import net.objecthunter.exp4j.ExpressionBuilder
10 import java.text.DecimalFormat
11
12 class MainActivity : AppCompatActivity() {
13
14     private lateinit var binding: ActivityMainBinding
15
16     override fun onCreate(savedInstanceState: Bundle?) {
17         super.onCreate(savedInstanceState)
18
19         // Инициализация viewBinding
20         binding = ActivityMainBinding.inflate(layoutInflater)
21         setContentView(binding.root)
22
23         // Настройка edge-to-edge режима
24         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
25             val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
26             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
27             insets
28         }
29
30         // Обработчики нажатий для кнопок
31         binding.buttonClear.setOnClickListener {
32             binding.input.text = ""
33             binding.output.text = ""
34         }
35         binding.buttonBracketLeft.setOnClickListener { addToInputText(value: "(") }
36         binding.buttonBracketRight.setOnClickListener { addToInputText(value: ")") }
37         binding.button0.setOnClickListener { addToInputText(value: "0") }
38         binding.button1.setOnClickListener { addToInputText(value: "1") }
39         binding.button2.setOnClickListener { addToInputText(value: "2") }
40         binding.button3.setOnClickListener { addToInputText(value: "3") }
41         binding.button4.setOnClickListener { addToInputText(value: "4") }
42         binding.button5.setOnClickListener { addToInputText(value: "5") }
43         binding.button6.setOnClickListener { addToInputText(value: "6") }
44         binding.button7.setOnClickListener { addToInputText(value: "7") }
45         binding.button8.setOnClickListener { addToInputText(value: "8") }
46         binding.button9.setOnClickListener { addToInputText(value: "9") }
47         binding.buttonDot.setOnClickListener { addToInputText(value: ".") }
48         binding.buttonEquals.setOnClickListener { calculate() }
49     }
50
51     private fun addToInputText(value: String) {
52         binding.input.text = binding.input.text.toString() + value
53     }
54
55     private fun calculate() {
56         val expression = binding.input.text.toString()
57         try {
58             val result = ExpressionBuilder(expression).evaluate()
59             binding.output.text = result.toString()
60         } catch (e: Exception) {
61             binding.output.text = ""
62         }
63     }
64 }

```

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <manifest xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:tools="http://schemas.android.com/tools">
4
5     <application
6         android:allowBackup="true"
7         android:dataExtractionRules="@xml/data_extraction_rules"
8         android:fullBackupContent="@xml/backup_rules"
9         android:icon="@mipmap/ic_launcher"
10        android:label="@string/app_name"
11        android:roundIcon="@mipmap/ic_launcher_round"
12        android:supportsRtl="true"
13        android:theme="@style/Theme._9"
14        tools:targetApi="31">
15
16        <activity
17            android:name=".Splash_screen"
18            android:exported="true">
19            <intent-filter>
20                <action android:name="android.intent.action.MAIN" />
21                <category android:name="android.intent.category.LAUNCHER" />
22            </intent-filter>
23        </activity>
24
25        <activity
26            android:name=".MainActivity"
27            android:exported="true">
28        </activity>
29    </application>
30
31 </manifest>

```

Manifest



```

2
3 import android.content.Intent
4 import android.os.Bundle
5 import android.os.Handler
6 import android.os.Looper
7 import androidx.activity.enableEdgeToEdge
8 import androidx.appcompat.app.AppCompatActivity
9 import androidx.core.view.ViewCompat
10 import androidx.core.view.WindowInsetsCompat
11
12 class Splash_screen : AppCompatActivity() {
13     override fun onCreate(savedInstanceState: Bundle?) {
14         super.onCreate(savedInstanceState)
15         enableEdgeToEdge()
16         setContentView(R.layout.activity_splash_screen)
17
18         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
19             val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
20             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
21             insets
22         }
23
24         android.os.Handler(Looper.getMainLooper()).postDelayed({
25             val intent = Intent(packageContext, MainActivity::class.java)
26             startActivity(intent)
27         }, delayMillis = 2000)
28     }
29 }

```

Splash\_screen

```

alias(libs.plugins.android.application)
alias(libs.plugins.kotlin.android)
}

android {
    namespace = "com.example.a9"
    compileSdk = 35

    buildFeatures {
        viewBinding = true
    }

    defaultConfig {
        applicationId = "com.example.a9"
        minSdk = 24
        targetSdk = 34
        versionCode = 1
        versionName = "1.0"

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

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

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

```

Build.gradle

