

Добавил код в AndroidManifest.xml

```
<?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="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme._9"
        tools:targetApi="31">

        <activity
            android:name=".Splash_screen"
            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=".MainActivity"
            android:exported="true">
        </activity>
    </application>

</manifest>
```

B MainActivity.kt

```
package com.example.a9

import android.os.Bundle
import androidx.appcompat.app.AppCompatActivity
import androidx.core.content.ContextCompat
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat
import com.example.a9.databinding.ActivityMainBinding
import net.objecthunter.exp4j.ExpressionBuilder
import java.text.DecimalFormat

class MainActivity : AppCompatActivity() {

    private lateinit var binding: ActivityMainBinding

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)

        // Инициализация viewBinding
        binding = ActivityMainBinding.inflate(layoutInflater)
        setContentView(binding.root)

        // Настройка edge-to-edge режима
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) {
            v, insets ->
                val systemBars =
                    insets.getInsets(WindowInsetsCompat.Type.systemBars())
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        v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom)
        insets
    }

    // Обработчики нажатий для кнопок
    binding.buttonClear.setOnClickListener {
        binding.input.text = ""
        binding.output.text = ""
    }
    binding.buttonBracketLeft.setOnClickListener { addToInputText("(") }
    binding.buttonBracketRight.setOnClickListener { addToInputText(")") }
    binding.button0.setOnClickListener { addToInputText("0") }
    binding.button1.setOnClickListener { addToInputText("1") }
    binding.button2.setOnClickListener { addToInputText("2") }
    binding.button3.setOnClickListener { addToInputText("3") }
    binding.button4.setOnClickListener { addToInputText("4") }
    binding.button5.setOnClickListener { addToInputText("5") }
    binding.button6.setOnClickListener { addToInputText("6") }
    binding.button7.setOnClickListener { addToInputText("7") }
    binding.button8.setOnClickListener { addToInputText("8") }
    binding.button9.setOnClickListener { addToInputText("9") }
    binding.buttonDot.setOnClickListener { addToInputText(".") }
    binding.buttonDivision.setOnClickListener { addToInputText("/") }
    binding.buttonMultiply.setOnClickListener { addToInputText("x") }
    binding.buttonSubtraction.setOnClickListener { addToInputText("-") }
    binding.buttonAddition.setOnClickListener { addToInputText("+") }
    binding.buttonEquals.setOnClickListener { showResult() }
    binding.buttonPercent.setOnClickListener { addToInputText("%") }
}

// Функция для добавления текста к полю ввода
private fun addToInputText(value: String) {
    binding.input.append(value) // Добавляем переданное значение в конец
поля ввода
}

// Функция для получения строки ввода
private fun getInputExpression(): String {
    return binding.input.text.toString() // Возвращаем текст из поля
ввода
}

// Функция для показа результата вычислений
private fun showResult() {
    try {
        // Заменяем % на деление на 100 для корректного расчета
        val expression = getInputExpression().replace("%", "/100")
        val result = ExpressionBuilder(expression).build().evaluate()
        binding.output.text =
DecimalFormat("0.#####").format(result).toString()
        binding.output.setTextColor(ContextCompat.getColor(this,
R.color.neon_green))
    } catch (e: Exception) {
        binding.output.text = "Ошибка"
        binding.output.setTextColor(ContextCompat.getColor(this,
R.color.red))
    }
}
}

```

```

package com.example.a9

import android.content.Intent
import android.os.Bundle
import android.os.Handler
import android.os.Looper
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat

class Splash_screen : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_splash_screen)

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

        android.os.Handler(Looper.getMainLooper()).postDelayed({
            val intent = Intent(this, MainActivity::class.java)
            startActivity(intent)
        }, 2000)
    }
}

```

B activity_main.xml

```

<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"

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        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"
            android:layout_height="90dp"
            android:text="Del"
            android:textColor="@color/red" />
        <androidx.appcompat.widget.AppCompatButton
            android:id="@+id/button_bracket_left"
            style="@style/Button_Style"
            android:layout_width="wrap_content"
            android:layout_height="90dp"
            android:text="("
            android:textColor="@color/orange" />
        <androidx.appcompat.widget.AppCompatButton
            android:id="@+id/button_bracket_right"
            style="@style/Button_Style"
            android:layout_width="wrap_content"
            android:layout_height="90dp"
            android:text=")"
            android:textColor="@color/orange" />
        <androidx.appcompat.widget.AppCompatButton
            android:id="@+id/button_division"
            style="@style/Button_Style"
            android:layout_width="wrap_content"
            android:layout_height="90dp"
            android:text="÷"
            android:textColor="@color/orange" />
    </TableRow>
    <TableRow>
        <androidx.appcompat.widget.AppCompatButton
            android:id="@+id/button_7"
            style="@style/Button_Style"
            android:layout_width="wrap_content"
            android:layout_height="90dp"
            android:text="7" />
        <androidx.appcompat.widget.AppCompatButton
            android:id="@+id/button_8"
            style="@style/Button_Style"
            android:layout_width="wrap_content"
            android:layout_height="90dp"
            android:text="8" />
        <androidx.appcompat.widget.AppCompatButton
            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
            android:id="@+id/button_multiply"
            style="@style/Button_Style"
            android:layout_width="wrap_content"

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        android:layout_height="90dp"
        android:text="x"
        android:textColor="@color/orange" />
</TableRow>
<TableRow>
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/button_4"
        style="@style/Button_Style"
        android:layout_width="wrap_content"
        android:layout_height="90dp"
        android:text="4" />
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/button_5"
        style="@style/Button_Style"
        android:layout_width="wrap_content"
        android:layout_height="90dp"
        android:text="5" />
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/button_6"
        style="@style/Button_Style"
        android:layout_width="wrap_content"
        android:layout_height="90dp"
        android:text="6" />
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/button_subtraction"
        style="@style/Button_Style"
        android:layout_width="wrap_content"
        android:layout_height="90dp"
        android:text="-"
        android:textColor="@color/orange" />
</TableRow>
<TableRow>
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/button_1"
        style="@style/Button_Style"
        android:layout_width="wrap_content"
        android:layout_height="90dp"
        android:text="1" />
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/button_2"
        style="@style/Button_Style"
        android:layout_width="wrap_content"
        android:layout_height="90dp"
        android:text="2" />
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/button_3"
        style="@style/Button_Style"
        android:layout_width="wrap_content"
        android:layout_height="90dp"
        android:text="3" />
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/button_addition"
        style="@style/Button_Style"
        android:layout_width="wrap_content"
        android:layout_height="90dp"
        android:text="+"
        android:textColor="@color/orange" />
</TableRow>
<TableRow>
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/button_percent"
        style="@style/Button_Style"
        android:layout_width="wrap_content"
        android:layout_height="90dp"

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        android:text="%" />
        <androidx.appcompat.widget.AppCompatButton
            android:id="@+id/button_0"
            style="@style/Button_Style"
            android:layout_width="wrap_content"
            android:layout_height="90dp"
            android:text="0" />
        <androidx.appcompat.widget.AppCompatButton
            android:id="@+id/button_dot"
            style="@style/Button_Style"
            android:layout_width="wrap_content"
            android:layout_height="90dp"
            android:text="." />
        <androidx.appcompat.widget.AppCompatButton
            android:id="@+id/button_equals"
            style="@style/Button_Style"
            android:layout_width="wrap_content"
            android:layout_height="90dp"
            android:background="@color/orange"
            android:text="="
            android:textColor="@color/white" />
    </TableRow>
</TableLayout>
</LinearLayout>

```

B activity_splash_screen.xml

```

<?xml version="1.0" encoding="utf-8"?>
<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"
    tools:context=".Splash_screen"
    android:orientation="vertical">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="match_parent"
        android:layout_height="400dp"
        android:layout_marginTop="120dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/calculator" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="@string/calculator" />

</LinearLayout>

```

B build.gradle.kts

```

plugins {
    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("proguard-android-optimize.txt"),
                "proguard-rules.pro"
            )
        }
    }
    compileOptions {
        sourceCompatibility = JavaVersion.VERSION_1_8
        targetCompatibility = JavaVersion.VERSION_1_8
    }
    kotlinOptions {
        jvmTarget = "1.8"
    }
}

dependencies {
    implementation(libs.androidx.core.ktx)
    implementation(libs.androidx.appcompat)
    implementation(libs.material)
    implementation(libs.androidx.activity)
    implementation(libs.androidx.constraintlayout)
    implementation("net.objecthunter:exp4j:0.4.8")
    testImplementation(libs.junit)
    androidTestImplementation(libs.androidx.junit)
    androidTestImplementation(libs.androidx.espresso.core)
}

```

Работа приложения:

Сначала появляется активность в которой находится заставка



Потом автоматически переключается на вторую активность с самим калькулятором

