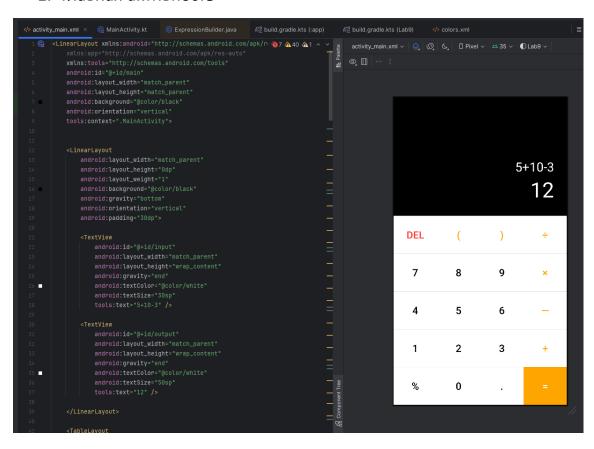
Практическая работа 9

1. Главная активность



2. Подключаем ViewBinding и библиотеку exp4j

```
buildFeatures {
    viewBinding = true
}

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

3. MainActivity, обработка нажатия на кнопки, решение выражения и вывод результата, если выражение некорректное, то программа выводит ошибку

```
class MainActivity: AppCompatActivity() {
    private lateinit var binding: ActivityMainBinding
    override fun ontreate(savedInstanceState) {
        super-onCreate(savedInstanceState)
        enableEdgeToEdge()
        binding: ActivityMainBinding.inflate(layoutInflater)
        setContentView(binding.noot)

viewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets -> val systemBars : insets.getInsets(WindowInsetsCompat.Type.systemBars.bottom) insets
    }
    binding.buttonClear.setOnClickListener{
    binding.buttonClear.setOnClickListener{
    binding.output.text = " binding.output.text (value ")") }
    binding.buttonBracketLeft.setOnClickListener {
        addToInputText(value ")") }
    binding.buttonB.setOnClickListener {
        addToInputText(value ")") }
    binding.button1.setOnClickListener {
        addToInputText(value ")") }
    binding.button2.setOnClickListener {
        addToInputText(value ")") }
    binding.button3.setOnClickListener {
        addToInputText(value ")") }
    binding.button3.setOnClickListener {
        addToInputText(value ")") }
    binding.button3.setOnClickListener {
        addToInputText(value ")") }
    binding.button4.setOnClickListener {
        addToInputText(value ")") }
    binding.button4.setOnClickListener {
        addToInputText(value ")") }
    binding.button5.setOnClickListener {
        addToInputText(value ")") }
}
```

```
binding.button5.setOnClickListener {
    addToInputText( value: "5")
}

binding.button6.setOnClickListener {
    addToInputText( value: "6")
}

binding.button7.setOnClickListener {
    addToInputText( value: "6")
}

binding.button8.setOnClickListener {
    addToInputText( value: "8")
}

binding.button8.setOnClickListener {
    addToInputText( value: "8")
}

binding.button9.setOnClickListener {
    addToInputText( value: "9")
}

binding.buttonDot.setOnClickListener {
    addToInputText( value: "7")
}

binding.buttonDot.setOnClickListener {
    addToInputText( value: "7")
}

binding.buttonDot.setOnClickListener {
    addToInputText( value: "7")
}

binding.buttonMultiply.setOnClickListener {
    addToInputText( value: "*7")
}

binding.buttonMultiply.setOnClickListener {
    addToInputText( value: "*7")
}

binding.buttonAddition.setOnClickListener {
    addToInputText( value: "*7")
}

binding.buttonAddition.setOnClickListener {
    addToInputText( value: "*7")
}

binding.buttonEquals.setOnClickListener {
    addToInputText( value: "*7")
}

binding.buttonEquals.setOnClickListener {
    addToInputText( value: "*7")
}

binding.buttonPercent.setOnClickListener {
    addToInputText( value: "*7")
}

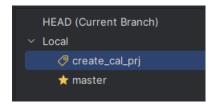
binding.buttonPutText( value: "*7")
}

binding.
```

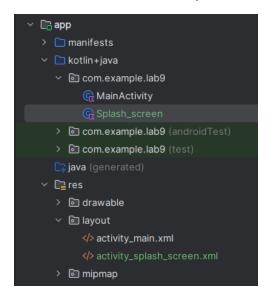
4. Цвета и оформление кнопки

```
<resources>
    <color name="black">#FF000000</color>
    <color name="white">#FFFFFFF</color>
    <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="red">#FF3131</color>
    <color name="pink">#FFC0CB</color>
 <color name="orange">#FFA500</color>
    <color name="neon_green">#39FF14</color>
    <style name="Button_Style" parent="Widget.AppCompat.Button.Colored">
        <item name="android:background">@color/white</item>
       <item name="android:textSize">24sp</item>
        <item name="android:textColor">@color/black</item>
       <item name="android:gravity">center</item>
    </style>
</resources>
```

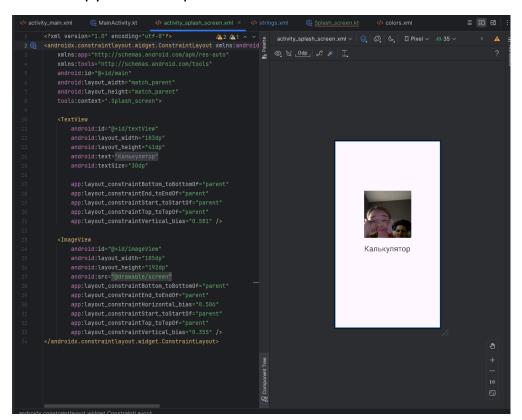
5. Создаем дополнительную ветку, в ней мы будем создавать заставку



6. Создаем заставку



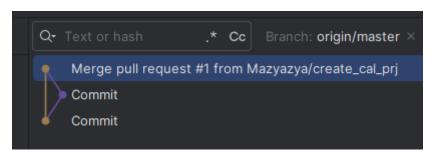
7. Загрузочный экран



8. Редактируем манифест

```
<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.Lab9"
   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="false">
    </activity>
</application>
```

9. Делаем Pull-Request в основную ветку



10. Результат:



