- 1.Создаем новый проект
- 2. Оформляем заставку нашего приложения



3.Пишем код для перехода активностей

```
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_main)

        android.os.Handler(Looper.getMainLooper()).postDelayed({
            val intent = Intent( packageContext this,calculator::class.java)
            startActivity(intent)
        }, delayMillis: 1500)

        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
        }
    }
}
```

4.Добавляем цвета и стиль в colors.xml

### 5.Добавляем viewbinding и exp4j

```
buildFeatures {
    viewBinding = true
}
```

# implementation ("net.objecthunter:exp4j:0.4.8")

## 6.Дизайн макета в activity\_calculator.xml

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:cool="http://schemas.android.com/tools"
android:da"@+id/main"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_midth="match_parent"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_wight="1"
android:layout_wight="1"
android:layout_wight="1"
android:sadsing="sodg">
<TextView
android:da"@+id/input"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_height="wwap_content"
android:layout_width="match_parent"
andro
```

```
android:layout_width="wrap_content"
android:layout_height="90dp"
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: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_width="wrap_content"
android:layout_width="wrap_content"
android:layout_height="90dp"
android:text="":"
android:textColor="@color/orange" />
</TableRow>
<TableRow>
<TableRow>
<TableRow>
<androidx.appcompat.widget.AppCompatButton
android:id="@+id/button_7"
style="@style/Button_Style"
android:layout_width="wrap_content"
android:layout_width="wrap_content"
android:layout_width="wrap_content"
android:layout_height="90dp"
android:text="7" />
<androidx.appcompat.widget.AppCompatButton
android:id="@+id/button_8"
style="@style/Button_8"
style="@style/Button_8"
style="@style/Button_8"
style="@style/Button_8"
style="@style/Button_8"
style="@style/Button_8"
style="@style/Button_8"
style="@style/Button_8"
style="@style/Button_8"
```

```
android:layout_width="wrap_content"
android:layout_height="90dp"
android:text="8" />
<androidx.appcompat.widget.AppCompatButton
android:id="@+id/button_0"
style="@style/Button_Style"
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"
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:dext="4" />
<androidx.appcompat.widget.AppCompatButton
android:id="@+id/button_5"
style="@style/Button_Style"
android:layout_height="90dp"
android:layout_width="wrap_content"
android:layout_width="wrap_content"
android:layout_width="wrap_content"
android:layout_width="wrap_content"
android:layout_width="wrap_content"
android:layout_widget.AppCompatButton
android:layout_widget.AppCompatButton
android:layout_width="wrap_content"
android:layout_height="90dp"
```

```
style="@style/Button_Style"
    android:layout_width="wrap_content"
    android:layout_height="90dp"
    android:textcolor="@color/orange" />
</TableRow>
<TableRow>
TableRow>
TableRow>
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<TableRow>
<tablePolicyTown page on the time of time
```

# Внешний вид:

7.Добвавляем код для калькулятора (заменяем знаки умножения на "\*" и деления на "/")

```
binding = ActivityCalculatorBinding.inflate(layoutInflater)

setContentView(binding.root)
binding.buttonClear.setOnClickListener {
    binding.input.text = " "
    binding.output.text = " "
}
binding.buttonBracketLeft.setOnClickListener {
    addToInputText( value: "(") }
}
binding.buttonBracketLeft.setOnClickListener {
    addToInputText( value: "0") }
}
binding.button0.setOnClickListener {
    addToInputText( value: "0") }
}
binding.button1.setOnClickListener {
    addToInputText( value: "1") }
}
binding.button2.setOnClickListener {
    addToInputText( value: "2") }
}
binding.button3.setOnClickListener {
    addToInputText( value: "3") }
}
binding.button4.setOnClickListener {
    addToInputText( value: "4") }
}
binding.button5.setOnClickListener {
    addToInputText( value: "5") }
binding.button6.setOnClickListener {
    addToInputText( value: "6") }
}
binding.button7.setOnClickListener {
    addToInputText( value: "6") }
}
binding.button7.setOnClickListener {
    addToInputText( value: "7") }
binding.button8.setOnClickListener {
    addToInputText( value: "7") }
binding.button8.setOnClickListener {
    addToInputText( value: "7") }
binding.button8.setOnClickListener {
    addToInputText( value: "8")
```

```
binding.button9.setOnClickListener {
    addToInputText( value: "9")
}
binding.buttonDot.setOnClickListener {
    addToInputText( value: ".")
}
binding.buttonDivision.setOnClickListener {
    addToInputText( value: "/")
}
binding.buttonMultiply.setOnClickListener {
    addToInputText( value: "+")
}
binding.buttonSubtraction.setOnClickListener {
    addToInputText( value: "-")
}
binding.buttonAddition.setOnClickListener {
    addToInputText( value: "+")
}
binding.buttonEquals.setOnClickListener {
    showResult()
}
binding.buttonPercent.setOnClickListener {
    addToInputText( value: "%")
}

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

private fun addToInputText(value: String) {
    binding.input.append(value)
}
```

### Функции:

### 8.Работа:





9.Добавляем новый branch с нашим калькулятором на гитхаб и скрещиваем их вместе с master





