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1 package com.example.a9_android
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3
4 > import ...
13
14 class MainActivity : AppCompatActivity() {
15     lateinit var binding: ActivityMainBinding
16     override fun onCreate(savedInstanceState: Bundle?) {
17         super.onCreate(savedInstanceState)
18         enableEdgeToEdge()
19         binding = ActivityMainBinding.inflate(layoutInflater)
20         setContentView(binding.root)
21         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
22             val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
23             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
24             insets
25         }
26         binding.buttonClear.setOnClickListener {
27             binding.input.text = ""
28             binding.output.text = ""
29         }
30         binding.buttonBracketLeft.setOnClickListener {
31             addToInputText(value: "(")
32         }
33         binding.buttonBracketLeft.setOnClickListener {
34             addToInputText(value: ")")
35         }
36         binding.button0.setOnClickListener {
37             addToInputText(value: "0")
38         }
39         binding.button1.setOnClickListener {
40             addToInputText(value: "1")
41         }
42         binding.button2.setOnClickListener {
43             addToInputText(value: "2")
44         }
45         binding.button3.setOnClickListener {
46             addToInputText(value: "3")
47         }

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```
14 class MainActivity : AppCompatActivity() {
15     override fun onCreate(savedInstanceState: Bundle?) {
16     }
17     binding.button4.setOnClickListener {
18         addToInputText( value: "4")
19     }
20     binding.button5.setOnClickListener {
21         addToInputText( value: "5")
22     }
23     binding.button6.setOnClickListener {
24         addToInputText( value: "6")
25     }
26     binding.button7.setOnClickListener {
27         addToInputText( value: "7")
28     }
29     binding.button8.setOnClickListener {
30         addToInputText( value: "8")
31     }
32     binding.button9.setOnClickListener {
33         addToInputText( value: "9")
34     }
35     binding.buttonDot.setOnClickListener {
36         addToInputText( value: ".")
37     }
38     binding.buttonDivision.setOnClickListener {
39         addToInputText( value: "/")
40     }
41     binding.buttonMultiply.setOnClickListener {
42         addToInputText( value: "*")
43     }
44     binding.buttonSubtraction.setOnClickListener {
45         addToInputText( value: "-")
46     }
47     binding.buttonAddition.setOnClickListener {
48         addToInputText( value: "+")
49     }
50     binding.buttonEquals.setOnClickListener {
51         showResult()
52     }
53 }
```

```

14 class MainActivity : AppCompatActivity() {
15     override fun onCreate(savedInstanceState: Bundle?) {
16         //
17         binding.buttonAddition.setOnClickListener {
18             addToInputText( value: "+")
19         }
20         binding.buttonEquals.setOnClickListener {
21             showResult()
22         }
23         binding.buttonPercent.setOnClickListener {
24             addToInputText( value: "%")
25         }
26     }
27     private fun showResult() {
28         try {
29             val expression = getInputExpression().replace( oldValue: "%", newValue: "/100")
30             val result = ExpressionBuilder(expression).build().evaluate()
31             binding.output.text =
32                 DecimalFormat( pattern: "0.#####").format(result).toString()
33             binding.output.setTextColor(ContextCompat.getColor( context: this, R.color.neon_green))
34         }
35         catch (e:Exception){
36             binding.output.text = "Ошибка"
37             binding.output.setTextColor(ContextCompat.getColor( context: this, R.color.red))
38         }
39     }
40     private fun addToInputText(value: String) {
41         binding.input.append(value)
42     }
43     private fun getInputExpression(): String {
44         return binding.input.text.toString()
45     }
46 }

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