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1 // PRACTICAL-3: Develop a flutter app with two TextField widgets, a Text widget, and an ElevatedButton widget.
2 // On tap of the ElevatedButton, compute the sum of two values from TextFields and display the result in Text widget.
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6
7 // CODE:
8
9 import 'package:flutter/material.dart';
10
11 void main() {
12   runApp(MyApp());
13 }
14
15 class MyApp extends StatelessWidget {
16   @override
17   Widget build(BuildContext context) {
18     return MaterialApp(
19       title: 'Sum Calculator',
20       theme: ThemeData(
21         primarySwatch: Colors.blue,
22         visualDensity: VisualDensity.adaptivePlatformDensity,
23       ),
24       debugShowCheckedModeBanner: false,
25       home: SumPage(),
26     );
27   }
28 }
29 class SumPage extends StatefulWidget {
30   @override
31   _SumPageState createState() => _SumPageState();
32 }
33
34 class _SumPageState extends State<SumPage> {
35   final TextEditingController _controller1 = TextEditingController();
36   final TextEditingController _controller2 = TextEditingController();
37   String _result = "";
38
39   void _calculateSum() {
40     final int? value1 = int.tryParse(_controller1.text);
41     final int? value2 = int.tryParse(_controller2.text);
42
43     if (value1 != null && value2 != null) {
44       setState() {
45         _result = "Sum --> ${value1 + value2}";
46       };
47     } else {
48       setState() {
49         _result = "Please enter valid numbers.";
50       };
51     }
52   }
53   @override
54   Widget build(BuildContext context) {
55     return Scaffold(
56       appBar: AppBar(
57         title: Text('PRACTICAL 3'),
```

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58 ),
59 body: Padding(
60   padding: const EdgeInsets.all(16.0),
61   child: Column(
62     mainAxisAlignment: MainAxisAlignment.center,
63     children: <Widget>[
64       TextField(
65         controller: _controller1,
66         keyboardType: TextInputType.number,
67         decoration: InputDecoration(
68           border: OutlineInputBorder(),
69           labelText: 'Enter First Number',
70           hintText: 'e.g : 5',
71         ),
72         style: TextStyle(fontSize: 18),
73       ),
74       SizedBox(height: 16),
75       TextField(
76         controller: _controller2,
77         keyboardType: TextInputType.number,
78         decoration: InputDecoration(
79           border: OutlineInputBorder(),
80           labelText: 'Enter Second Number',
81           hintText: 'e.g : 10',
82         ),
83         style: TextStyle(fontSize: 18),
84       ),
85       SizedBox(height: 24),
86       ElevatedButton(
87         onPressed: _calculateSum,
88         child: Text(
89           'Calculate Sum',
90           style: TextStyle(fontSize: 18),
91         ),
92       ),
93       SizedBox(height: 24),
94       Text(
95         _result,
96         style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),
97       ),
98       Spacer(),
99       Text(
100        '202203103510097',
101        style: TextStyle(fontSize: 14, color: Colors.grey),
102      ),
103    ],
104  ),
105 ),
106 );
107 }
108 }

```