import 'package:flutter/material.dart';

void main() {

runApp(const MyApp());

}

class MyApp extends StatelessWidget {

const MyApp({super.key});

@override

Widget build(BuildContext context) {

return MaterialApp(

debugShowCheckedModeBanner: false,

home: CalculatorApp(),

);

}

}

class CalculatorApp extends StatefulWidget {

@override

State<CalculatorApp> createState() => \_CalculatorAppState();

}

class \_CalculatorAppState extends State<CalculatorApp> {

final TextEditingController num1Controller = TextEditingController();

final TextEditingController num2Controller = TextEditingController();

String result = "";

void calculate(String op) {

double n1 = double.tryParse(num1Controller.text) ?? 0;

double n2 = double.tryParse(num2Controller.text) ?? 0;

double res = 0;

switch (op) {

case '+':

res = n1 + n2;

break;

case '-':

res = n1 - n2;

break;

case '\*':

res = n1 \* n2;

break;

case '/':

if (n2 != 0) {

res = n1 / n2;

} else {

setState(() {

result = "Cannot divide by zero";

});

return;

}

break;

}

setState(() {

result = "Result: $res";

});

}

@override

Widget build(BuildContext context) {

return Scaffold(

appBar: AppBar(title: const Text("Simple Calculator")),

body: Padding(

padding: const EdgeInsets.all(20),

child: Column(

mainAxisAlignment: MainAxisAlignment.center,

children: [

TextField(

controller: num1Controller,

keyboardType: TextInputType.number,

decoration: const InputDecoration(

labelText: "Enter first number",

),

),

TextField(

controller: num2Controller,

keyboardType: TextInputType.number,

decoration: const InputDecoration(

labelText: "Enter second number",

),

),

const SizedBox(height: 20),

Wrap(

spacing: 10,

children: [

ElevatedButton(

onPressed: () => calculate('+'),

child: const Text("+"),

),

ElevatedButton(

onPressed: () => calculate('-'),

child: const Text("-"),

),

ElevatedButton(

onPressed: () => calculate('\*'),

child: const Text("×"),

),

ElevatedButton(

onPressed: () => calculate('/'),

child: const Text("÷"),

),

],

),

const SizedBox(height: 20),

Text(

result,

style: const TextStyle(fontSize: 20, fontWeight: FontWeight.bold),

),

],

),

),

);

}

}