dependencies:

flutter:

sdk: flutter

provider: ^6.1.2

flutter pub get

import 'package:flutter/material.dart';

import 'package:provider/provider.dart';

void main() {

runApp(

// Step 1: Wrap the app with ChangeNotifierProvider

ChangeNotifierProvider(

create: (context) => CounterProvider(),

child: MyApp(),

),

);

}

class MyApp extends StatelessWidget {

@override

Widget build(BuildContext context) {

return MaterialApp(

debugShowCheckedModeBanner: false,

home: CounterScreen(),

);

}

}

// Step 2: Create the Provider class

class CounterProvider extends ChangeNotifier {

int \_count = 0;

int get count => \_count;

void increment() {

\_count++;

notifyListeners(); // Updates all listening widgets

}

}

// Step 3: Create the main screen with a button and counter display

class CounterScreen extends StatelessWidget {

@override

Widget build(BuildContext context) {

final counterProvider = Provider.of<CounterProvider>(context, listen: false);

return Scaffold(

appBar: AppBar(title: Text("Provider Counter Example")),

body: Center(

child: Column(

mainAxisAlignment: MainAxisAlignment.center,

children: [

// Step 4: Display counter value in a separate widget

CounterDisplayWidget(),

SizedBox(height: