

Code

```
import 'package:flutter/material.dart';

void main() => runApp(MyApp());

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'COUNTER APP 2.0',
      theme: ThemeData(
        primaryColor: Colors.purple[900],
        accentColor: Colors.purpleAccent,
        backgroundColor: Colors.grey[300],
        scaffoldBackgroundColor: Colors.blueGrey,
        textTheme: TextTheme(
          headline6: TextStyle(
            color: Colors.purple[900],
            fontSize: 24.0,
            fontWeight: FontWeight.bold,
          ),
          bodyText2: TextStyle(
            color: Colors.purple[900],
            fontSize: 18.0,
          ),
          button: TextStyle(
            color: Colors.red,
```

```
        fontSize: 18.0,  
        fontWeight: FontWeight.bold,  
      ),  
    ),  
  ),  
  home: CounterPage(),  
);  
}  
}
```

```
class CounterPage extends StatefulWidget {  
  @override  
  _CounterPageState createState() => _CounterPageState();  
}
```

```
class _CounterPageState extends State<CounterPage> {  
  List<int> _counters = [0, 0, 0];  
  int _currentIndex = 0;  
  
  void _decrementCounters() {  
    setState(() {  
      for (int i = 0; i < _counters.length; i++) {  
        if (_counters[i] > 0) _counters[i]--;  
      }  
    });  
  }  
  
  void _incrementCounters() {  
    setState(() {
```

```

switch (_currentIndex) {
  case 0:
    _counters[_currentIndex]++;
    break;
  case 1:
    _counters[_currentIndex] += 2;
    break;
  case 2:
    _counters[_currentIndex] += 3;
    break;
}
});
}

```

```

void _resetCounters() {
  setState(() {
    for (int i = 0; i < _counters.length; i++) {
      _counters[i] = 0;
    }
  });
}

```

```

void _changeCounter(int index) {
  setState(() {
    _currentIndex = index;
  });
}

```

@override

```

Widget build(BuildContext context) {

  List<Widget> counterTabs = [ Tab(    text: 'Counter 1',    ), Tab(    text: 'Counter 2',    ),
Tab(    text: 'Counter 3',    ), ];

  List<Widget> counterTabViews = [ Text(    'Counter 1: ${_counters[0]}',    style:
TextStyle(fontSize: 24),    ), Text(    'Counter 2: ${_counters[1]}',    style: TextStyle(fontSize: 24),
), Text(    'Counter 3: ${_counters[2]}',    style: TextStyle(fontSize: 24),    ), ];

  return DefaultTabController(
    length: 3,
    child: Scaffold(
      appBar: AppBar(
        title: Text(' Counter App 2.0'),
        bottom: TabBar(
          tabs: counterTabs,
          onTap: _changeCounter,
        ),
      ),
      body: Padding(
        padding: EdgeInsets.all(16.0),
        child: Column(
          children: [
            Expanded(
              child: TabBarView(
                children: counterTabViews,
              ),
            ),
            SizedBox(height: 20),
            Row(
              mainAxisAlignment: MainAxisAlignment.center,

```

```
children: [  
  ElevatedButton(  
    onPressed: _decrementCounters,  
    child: Text('Decrement'),  
  ),  
  SizedBox(width: 20),  
  ElevatedButton(  
    onPressed: _incrementCounters,  
    child: Text('Increment'),  
  ),  
  SizedBox(width: 20),  
  ElevatedButton(  
    onPressed: _resetCounters,  
    child: Text('Reset'),  
  ),  
],  
),  
),  
),  
),  
),  
),  
);  
}  
}
```