

Lab program 1

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

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      home: Scaffold(
        appBar: AppBar(title: Text('Flutter App')),
        body: Center(
          child: Text(
            'Hello world and Hello Flutter',
            style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),
          ),
        ),
      ),
    );
  }
}
```

Lab program 2:

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

void main() {
  runApp(CounterApp());
}

class CounterApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      home: CounterScreen(),
    );
  }
}
```

```
}
```

```
class CounterScreen extends StatefulWidget {  
  @override  
  _CounterScreenState createState() => _CounterScreenState();  
}
```

```
class _CounterScreenState extends State<CounterScreen> {  
  int _counter = 0;
```

```
  void _increment() {  
    setState(() {  
      _counter++;  
    });  
  }
```

```
  void _decrement() {  
    setState(() {  
      _counter--;  
    });  
  }
```

```
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      appBar: AppBar(title: Text('Counter App')),  
      body: Center(  
        child: Column(  
          mainAxisAlignment: MainAxisAlignment.center,  
          children: [  
            Text(  
              'Counter Value:',  
              style: TextStyle(fontSize: 24),  
            ),  
            Text(  
              '$_counter',  
              style: TextStyle(fontSize: 40, fontWeight: FontWeight.bold),  
            ),  
            SizedBox(height: 20),  
            Row(  
              mainAxisAlignment: MainAxisAlignment.center,  
              children: [  
                ElevatedButton(  
                  onPressed: _increment,
```

```
        child: Text('Increment'),
      ),
      SizedBox(width: 10),
      ElevatedButton(
        onPressed: _decrement,
        child: Text('Decrement'),
      ),
    ],
  ),
],
),
),
);
}
```