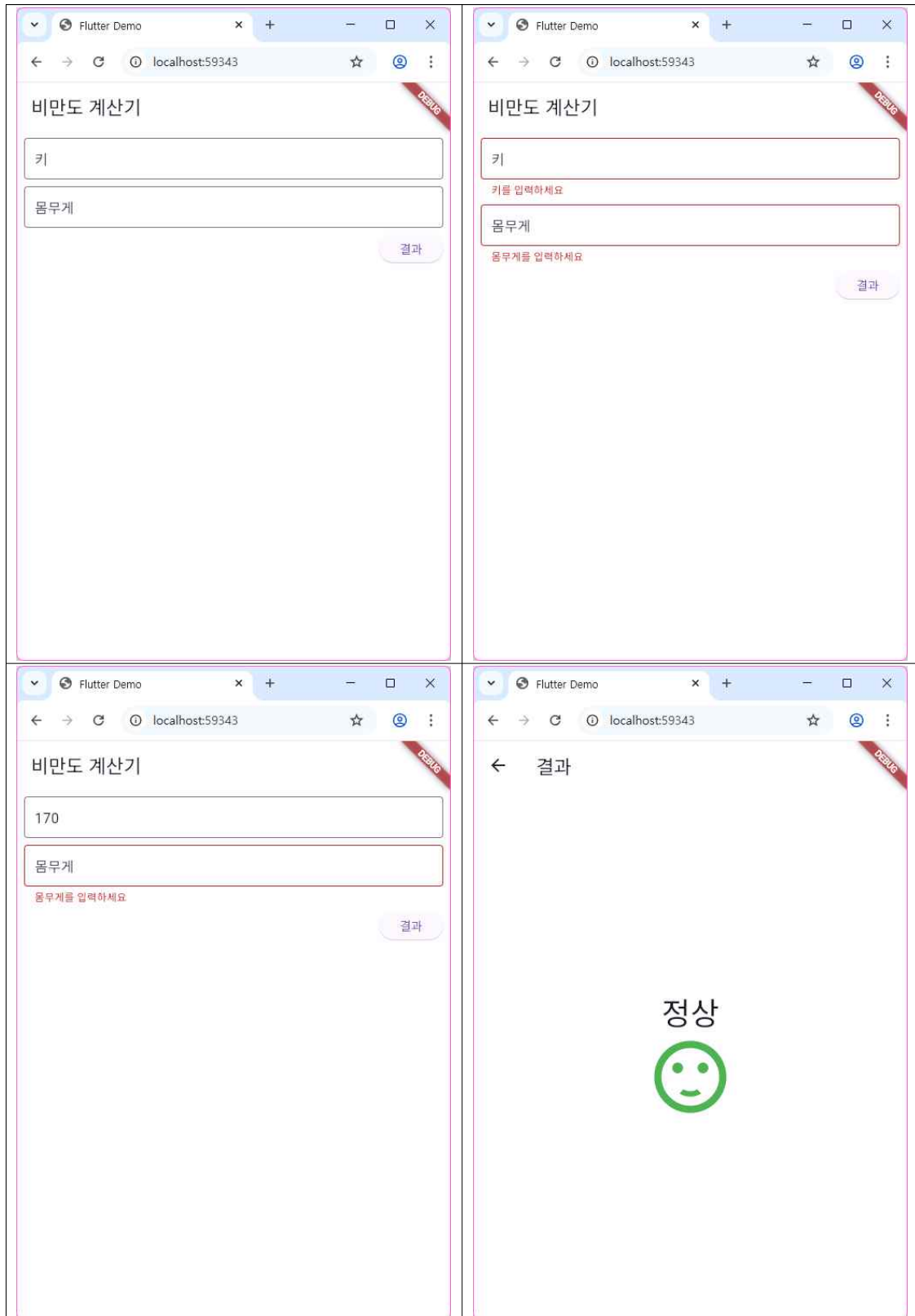


프로젝트 이름 : bmi_30000



프로젝트 구성	패키지 추가(pubspec.yaml)
	

main.dart -----

```
import 'package:bmi_calculator/main/main_screen.dart';
import 'package:flutter/material.dart';
```

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

```
class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);
```

```
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      theme: ThemeData(
        primarySwatch: Colors.blue,
      ),
      home: const MainScreen(),
    );
  }
}
```

main_screen.dart -----

```
import 'package:bmi_calculator/result/result_screen.dart';
```

```

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

class MainScreen extends StatefulWidget {
  const MainScreen({Key? key}) : super(key: key);

  @override
  State<MainScreen> createState() => _MainScreenState();
}

class _MainScreenState extends State<MainScreen> {
  final _formKey = GlobalKey<FormState>();
  final _heightController = TextEditingController();
  final _weightController = TextEditingController();

  @override
  void initState() {
    super.initState();

    load();
  }

  @override
  void dispose() {
    //종료 시점에 입력값(키, 몸무게) 기억하기
    _heightController.dispose();
    _weightController.dispose();
    super.dispose();
  }

  Future save() async {
    final prefs = await SharedPreferences.getInstance();
    await prefs.setDouble('height', double.parse(_heightController.text));
    await prefs.setDouble('weight', double.parse(_weightController.text));
  }

  Future load() async {
    final prefs = await SharedPreferences.getInstance();
    final double? height = prefs.getDouble('height');
    final double? weight = prefs.getDouble('weight');

    if (height != null && weight != null) {

```

```

        _heightController.text = '$height';
        _weightController.text = '$weight';
        print('키 : $height, 몸무게 : $weight');
    }
}

```

@override

```

Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: const Text('비만도 계산기'),
    ),
    body: Padding(
      padding: const EdgeInsets.all(8.0),
      child: Form(
        key: _formKey,
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.end,
          children: [
            TextFormField(
              controller: _heightController,
              decoration: const InputDecoration(
                border: OutlineInputBorder(),
                hintText: '키',
              ),
            ),
            keyboardType: TextInputType.number,
            validator: (value) {
              if (value == null || value.isEmpty) {
                return '키를 입력하세요';
              }
              return null;
            },
          ),
          const SizedBox(height: 8),
          TextFormField(
            controller: _weightController,
            decoration: const InputDecoration(
              border: OutlineInputBorder(),
              hintText: '몸무게',
            ),
          ),
          keyboardType: TextInputType.number,

```

```

        validator: (value) {
          if (value == null || value.isEmpty) {
            return '몸무게를 입력하세요';
          }
          return null;
        },
      ),
      const SizedBox(height: 8),
      ElevatedButton(
        onPressed: () {
          if (_formKey.currentState?.validate() == false) {
            return;
          }

          save();

          Navigator.push(
            context,
            MaterialPageRoute(
              builder: (context) => ResultScreen(
                height: double.parse(_heightController.text),
                weight: double.parse(_weightController.text),
              ),
            ),
          );
        },
        child: const Text('결과'),
      ),
    ],
  ),
),
);
}
}

```

[result_screen.dart](#) -----

```

import 'package:flutter/material.dart';

class ResultScreen extends StatelessWidget {

```

```
final double height;
final double weight;
```

```
const ResultScreen({
  Key? key,
  required this.height,
  required this.weight,
}) : super(key: key);
```

```
String _calcBmi(double bmi) {
  String result = '저체중';
  if (bmi >= 35) {
    result = '고도 비만';
  } else if (bmi >= 30) {
    result = '2단계 비만';
  } else if (bmi >= 25) {
    result = '1단계 비만';
  } else if (bmi >= 23) {
    result = '과체중';
  } else if (bmi >= 18.5) {
    result = '정상';
  }

  return result;
}
```

```
Widget _buildIcon(double bmi) {
  Icon icon = const Icon(
    Icons.sentiment_dissatisfied,
    color: Colors.green,
    size: 100,
  );
  if (bmi >= 23) {
    icon = const Icon(
      Icons.sentiment_very_dissatisfied,
      color: Colors.green,
      size: 100,
    );
  } else if (bmi >= 18.5) {
    icon = const Icon(
      Icons.sentiment_satisfied,
```

```

        color: Colors.green,
        size: 100,
    );
}
return icon;
}

@override
Widget build(BuildContext context) {
    final bmi = weight / ((height / 100.0) * (height / 100.0));

    return Scaffold(
        appBar: AppBar(
            title: const Text('결과'),
        ),
        body: Center(
            child: Column(
                mainAxisAlignment: MainAxisAlignment.center,
                children: [
                    Text(
                        _calcBmi(bmi),
                        style: const TextStyle(fontSize: 36),
                    ),
                    _buildIcon(bmi),
                ],
            ),
        ),
    );
}
}

```

<유의사항(공통)>

import : 본인 폴더경로에 맞추기