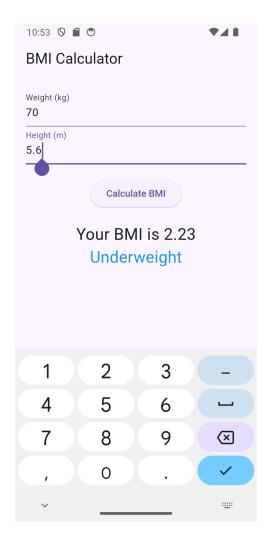# BMI APP

Input Data

- **Weight**
- **Height**

Source Code :

Main.dart104

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

void main() {
  runApp(BMICalculatorApp());
}
```

```dart
class BMICalculatorApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      title: 'BMI Calculator',
      theme: ThemeData(
        primarySwatch: Colors.blue,
      ),
      home: BMICalculatorPage(),
    );
  }
}

class BMICalculatorPage extends StatefulWidget {
  @override
  _BMICalculatorPageState createState() => _BMICalculatorPageState();
}

class _BMICalculatorPageState extends State<BMICalculatorPage> {
  final TextEditingController _weightController = TextEditingController();
  final TextEditingController _heightController = TextEditingController();
  double _bmiResult = 0.0;
  String _bmiCategory = "";

  void _calculateBMI() {
    final double weight = double.tryParse(_weightController.text) ?? 0.0;
    final double height = double.tryParse(_heightController.text) ?? 0.0;

    if (weight > 0 && height > 0) {
      setState(() {
        _bmiResult = weight / (height * height);
        if (_bmiResult < 18.5) {
          _bmiCategory = "Underweight";
        } else if (_bmiResult < 24.9) {
          _bmiCategory = "Normal weight";
        } else if (_bmiResult < 29.9) {
          _bmiCategory = "Overweight";
        } else {
          _bmiCategory = "Obesity";
        }
      });
    }
  }

  @override
```

```dart
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('BMI Calculator'),
      ),
      body: Padding(
        padding: const EdgeInsets.all(16.0),
        child: Column(
          children: [
            TextField(
              controller: _weightController,
              keyboardType: TextInputType.number,
              decoration: InputDecoration(
                labelText: 'Weight (kg)',
              ),
            ),
            TextField(
              controller: _heightController,
              keyboardType: TextInputType.number,
              decoration: InputDecoration(
                labelText: 'Height (m)',
              ),
            ),
            SizedBox(height: 20),
            ElevatedButton(
              onPressed: _calculateBMI,
              child: Text('Calculate BMI'),
            ),
            SizedBox(height: 20),
            Text(
              _bmiResult == 0 ? 'Enter your details' : 'Your BMI is
${_bmiResult.toStringAsFixed(2)}',
              style: TextStyle(fontSize: 24),
            ),
            Text(
              _bmiCategory,
              style: TextStyle(fontSize: 24, color: Colors.blue),
            ),
          ],
        ),
      ),
    );
  }
}
```