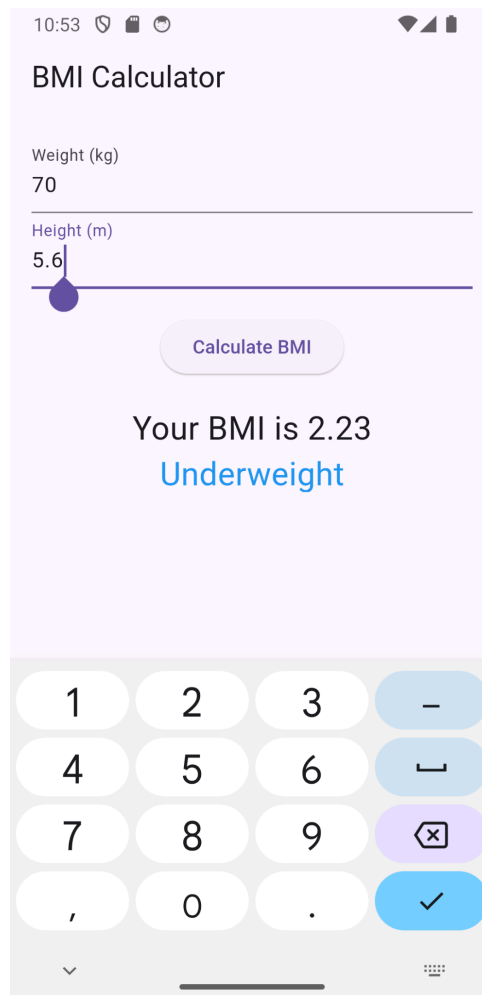


# BMI APP

## Input Data

- Weight
- Height



The screenshot shows a mobile app interface for a BMI Calculator. At the top, the status bar displays the time 10:53 and various icons. The app title "BMI Calculator" is centered. Below it, there are two input fields: "Weight (kg)" with the value "70" and "Height (m)" with the value "5.6". A purple slider is positioned below the height input. A "Calculate BMI" button is centered below the inputs. The result is displayed as "Your BMI is 2.23" in black text, with "Underweight" in blue text below it. At the bottom, there is a numeric keypad with buttons for digits 1-9, 0, a decimal point, a comma, a minus sign, a backspace key, and a checkmark key.

## Source Code :

Main.dart104

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

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

```

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

```

```

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),
          ),
        ],
      ),
    ),
  );
}

```