

BMI Calculation Logic for Android App

1. User Inputs:

The app allows the user to enter their weight (in kilograms) and height (in meters). These values are entered through input fields in the app interface.

2. Data Retrieval:

When the Calculate button is pressed, the app retrieves the entered weight and height values from the input fields and converts them into numerical (double) values.

3. BMI Formula:

BMI is calculated using the formula:

$$\text{BMI} = \text{weight} / (\text{height} \times \text{height})$$

4. Calculation Process:

The app divides the user's weight by the square of their height to compute the BMI.

5. Displaying the Result:

The calculated BMI is formatted to two decimal places and displayed on the screen.

6. Purpose:

This calculation helps classify the user's body weight status (e.g., underweight, normal, overweight, or obese).