

# Body Mass Index (BMI) Calculator

BMI is a measure of body fat based on height and weight. This measurement applies to adult men and women. The following files are required:

- **bmi.html** (this is a HTML file containing the user interface, namely, a form as shown in figure 1.)
- **bmi.css** (style for the form)
- **bmi.php** (this file uses the data from **bmi.html** form and calculates the BMI as shown in figure 2 and 3)

The formula for computing BMI is:

**Weight in pound**

**Height in inch**

$$\text{BMI} = \frac{\text{Weight (LB)}}{(\text{Height (IN)})^2} \times 703$$

Build the HTML page as shown in figure 1. Use CSS for the styles/alignments. In the HTML file, in addition to the required attributes use the following attributes for the three input fields:

- **required** keyword
- **type="number"**, it simply means the fields must have values and only numeric respectively.
- **id** and **name** attributes

For the button, make sure the *type* attribute is set to "submit".

You will need to write a PHP file (bmi.php). This PHP file will use the data sent via bmi.html form and calculates the BMI.

Notice the table in figure 1, it is static (hard-coded table tags/elements). The only dynamic value is the result shown on another page as shown in figure 2 and 3.

The text: *Underweight*, *Normal*, *Overweight*, or *Obese* are determined from the calculated BMI. If the value of BMI is not normal then show the BMI value in a larger and red font as shown in figure 3 otherwise the color should be black.

The result should be centered as shown in figure 3.

There is no exact width of the form and its children but make it is as close as possible to figure 1.

BMI

localhost/bmi-php/bmi.html

## Body Mass Index Calculator

Your Height:

Feet:

Inch(es):

Your Weight:

Pounds:

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Underweight	< 18.5
Normal weight	18.5 - 24.9
Overweight	25 - 29.9
Obesity	30 or greater

Figure 1, before data entry

The screenshot shows a web browser window with the title "BMI" and the address bar displaying "localhost/bmi-php/bmi.html". The main heading is "Body Mass Index Calculator". Below this, there is a yellow-bordered box containing the following form elements:

- "Your Height:" label
- "Feet:" input field with the value "5"
- "Inch(es):" input field with the value "8"
- "Your Weight:" label
- "Pounds:" input field with the value "115"
- A "Calculate" button

Below the yellow box, the text "IT3330, The University of Kansas, Edwards Campus" is displayed. At the bottom, there is a table with BMI categories and their corresponding ranges:

Underweight	< 18.5
Normal weight	18.5 - 24.9
Overweight	25 - 29.9
Obesity	30 or greater

Figure 2, after data entered

The screenshot shows a web browser window with the title "BMI" and the address bar displaying "localhost/bmi-php/bmi.php". The main content area displays the following text:

Your Height: 5' 8"  
Your Weight: 115 lb  
Your BMI is **17.5**, you are underweight.

Figure 3, result on a new page