

Body Mass Index Calculator

Create a folder in your desktop and name it as “**BMI**”. Save all your files related to the practical in **BMI** folder

Develop a web site to calculate the BMI(Body Mass Index) value of a person as given in figure 1 (All the required images are given in your **resource** folder)

Name the home page as **index.html**

Find Your Body Mass Index Value

BMI Chart

BMI Value	State
19<=bmi <=24	Normal
24<bmi <=29	Over weight
29<=bmi <=35	Obese

Enter your weight in kilo grammes: 68

Enter your height in meters: 1.73

Submit Reset

Your BMI value is

22.72

Normal

Illustration of a woman and a stethoscope.

Figure 1 : BMI Calculator

1. Include **health.jpg** as the background image
2. Create an external CSS file to add styles to the web page
3. Add the title “**Find Your Body Mass Index Value**” using level 1 heading.

4. Divide the interface into two sections using <div> tags (you are free to use appropriate sizes)

- a. In the left section add the given below table

BMI Value	State
$19 \leq \text{bmi} \leq 24$	Normal
$24 < \text{bmi} \leq 29$	Over weight
$29 < \text{bmi} < 60$	Obese

- b. In the right section implement a form, to take user inputs (User must input weight in “kilograms” and height in “meters”)

5. Create an external javascript file to facilitate the given below functions when the user clicks on the submit button

- a. Calculate the bmi value using the given below equation and display it in the web site (See figure 1)

$$\text{Bmi} = \text{weight} / \text{height}^2$$

(weight should be in “kg” and height in “meters”)

- b. According to the given above bmi value table, display the state of the person in the web site using his/her user inputs (first you have to calculate the bmi value) (See figure 1)

- c. Using JQuery, display the appropriate image according to the result **state** of the person (in figure 1 you can see the image of a person with the state “**normal**”).

You must display the images using the same sizes

6. Try to modify the CSS file to achieve the given above web page (you are free to select css property values)