

JavaScript Assignment 5

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Topic: BMI (Body Mass Index) Calculator

This is a browser-based program in which the calculator requires just two inputs, your height in centimetre's and your weight in kilograms. Once you give the two values to your calculator and click the calculate button (or press enter) you'll get a BMI readout. This project uses HTML, CSS, JavaScript.

JavaScript:

The main code for this project is written in JavaScript, it is very simple project. The user has to give 2 inputs their Weight (Kg) and height(cm).

Then JavaScript takes whose input and put it in simple BMI formula

$BMI = M / H * H$ but in formula H is in meters and our input is cm so we

Divide $H * H$ by 1000. And such we get in BMI of the user.

CSS:

CSS also called as Cascading Style Sheets is used to add elements in webpages to make it seem more visually appealing and good looking. In the project, CSS is used to colors, borders, fonts, etc. The color of background is changed also the boxes which are made using CSS their borders colors are different.

HTML:

HTML also known as Hyper Text Markup Language, In this project HTML is used dynamically using some functions available in JavaScript.

In HTML we have used `<input>` tag for taking input from the user. `<p>` tag to show text on web page. And `<button>` to execute the program.

Output

This page helps you to get exact BMI

BMI Calculator

Height in CM:

Weight in KG:

BMI Weight Guide

Under Weight = Less than 18.6

Normal Range = 18.6 and 24.9

Overweight = Greater than 24.9

The screenshot shows a web browser window with a dark background. At the top, a light blue header bar contains the text "This page helps you to get exact BMI". Below this, the title "BMI Calculator" is centered. There are two input fields: "Height in CM:" and "Weight in KG:", both with empty text boxes. Below the inputs is a blue button labeled "Calculate". Underneath the button is a section titled "BMI Weight Guide" with three lines of text: "Under Weight = Less than 18.6", "Normal Range = 18.6 and 24.9", and "Overweight = Greater than 24.9". The Windows taskbar is visible at the bottom.

This page helps you to get exact BMI

BMI Calculator

Height in CM:

Weight in KG:

28.58

BMI Weight Guide

Under Weight = Less than 18.6

Normal Range = 18.6 and 24.9

Overweight = Greater than 24.9

The screenshot shows the same web browser window as the previous one, but now the input fields are filled with "162" and "75". The "Calculate" button is still present. Below it, the BMI result "28.58" is displayed in a large, bold font. The "BMI Weight Guide" section remains the same. The Windows taskbar is visible at the bottom.

