



Imam Mohammad Ibn Saud Islamic University

College of Computer and Information Sciences

Computer Science Department

Course Title:	Web Application Development	
Course Code:	CS346	
Course Instructors:	Dr. Mohammed Asif, T. Afnan AlMoammar	
Assignment:	Midterm Exam	
Semester:	1st Semester, 2024/2025	
Date:	20-10-2024	
Duration:	70 Minutes	
Marks:	25	
Privileges:	✓ Open Book ✓ Calculator Permitted	✓ Open Notes ✓ Laptop Permitted

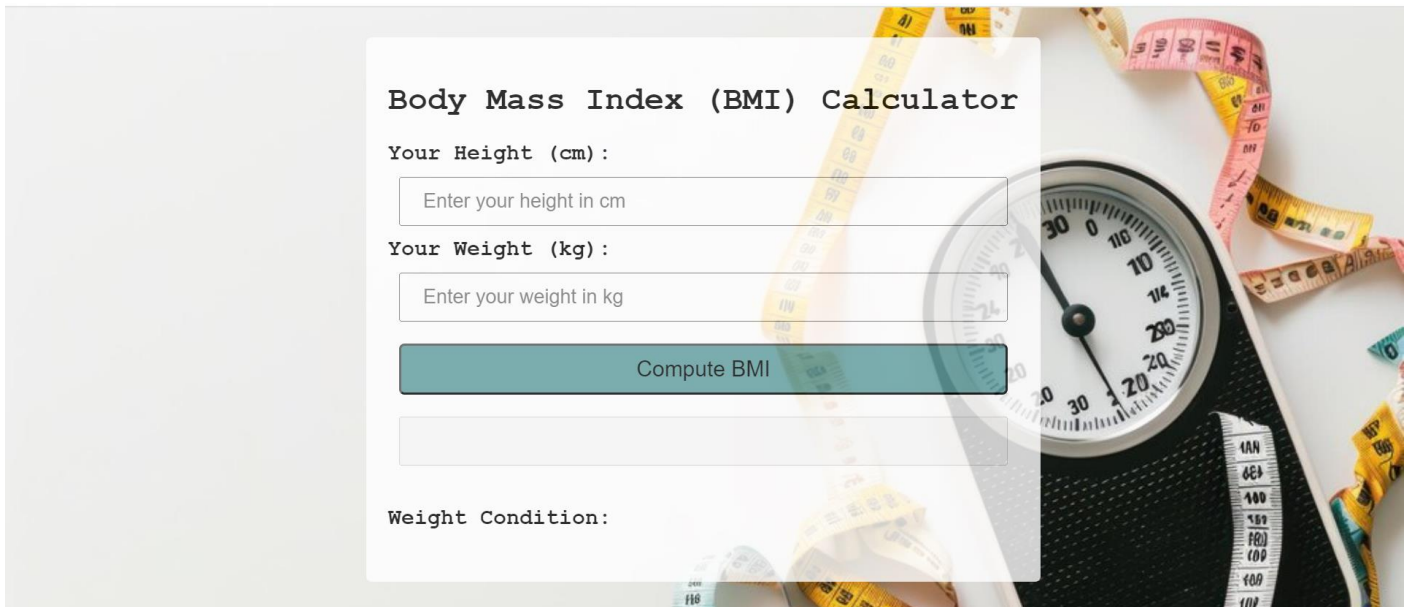
Student Name (in English):	
Student ID:	
Section No.:	

Instructions:

1. Answer (all) questions; there are (2) questions in (3) pages.
2. Write your name as a comment in each file.
3. Upload your answers as a compressed file, you should name your file as "YourName_id".
4. Make sure your compressed folder contains 4 files: BMICalculator.html, script.js, style.css, background.jpg

Consider the provided files: BMICalculator.html, style.css, and script.js representing the following Web page for calculating Body Mass Index (BMI).

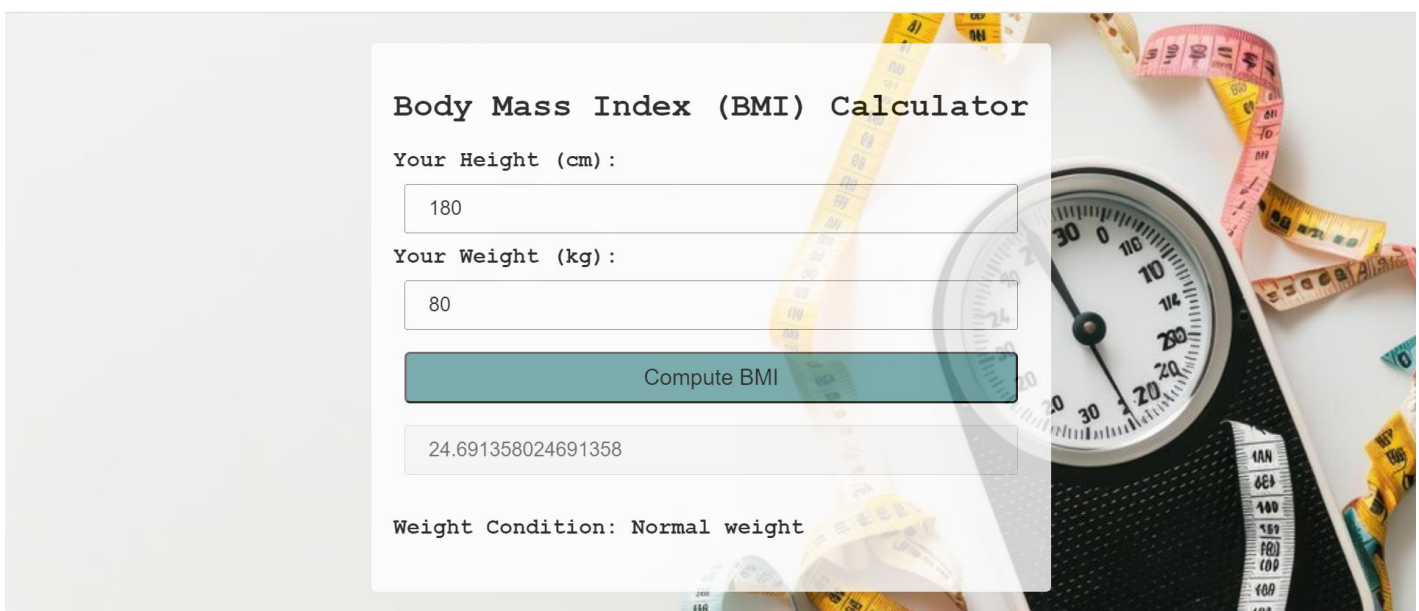
Complete [style.css] and apply the appropriate changes to the HTML document [BMICalculator.html] so it looks like the following screenshots. (The instructions are in the exam paper).



The screenshot shows a web form titled "Body Mass Index (BMI) Calculator" overlaid on a background image of a scale and measuring tape. The form contains the following elements:

- Title: **Body Mass Index (BMI) Calculator**
- Label: **Your Height (cm) :**
- Input field: A text box with the placeholder text "Enter your height in cm".
- Label: **Your Weight (kg) :**
- Input field: A text box with the placeholder text "Enter your weight in kg".
- Button: A teal button labeled "Compute BMI".
- Output field: An empty text box for the result.
- Label: **Weight Condition:**

After the use type his height and weight, the result should appear in the text field:



This screenshot shows the same BMI Calculator form after it has been used. The input fields now contain the values "180" and "80". The "Compute BMI" button is still present. The output field now displays the calculated BMI value "24.691358024691358". The "Weight Condition" label is followed by the text "Normal weight".

Body Mass Index (BMI) Calculator

Your Height (cm) :

180

Your Weight (kg) :

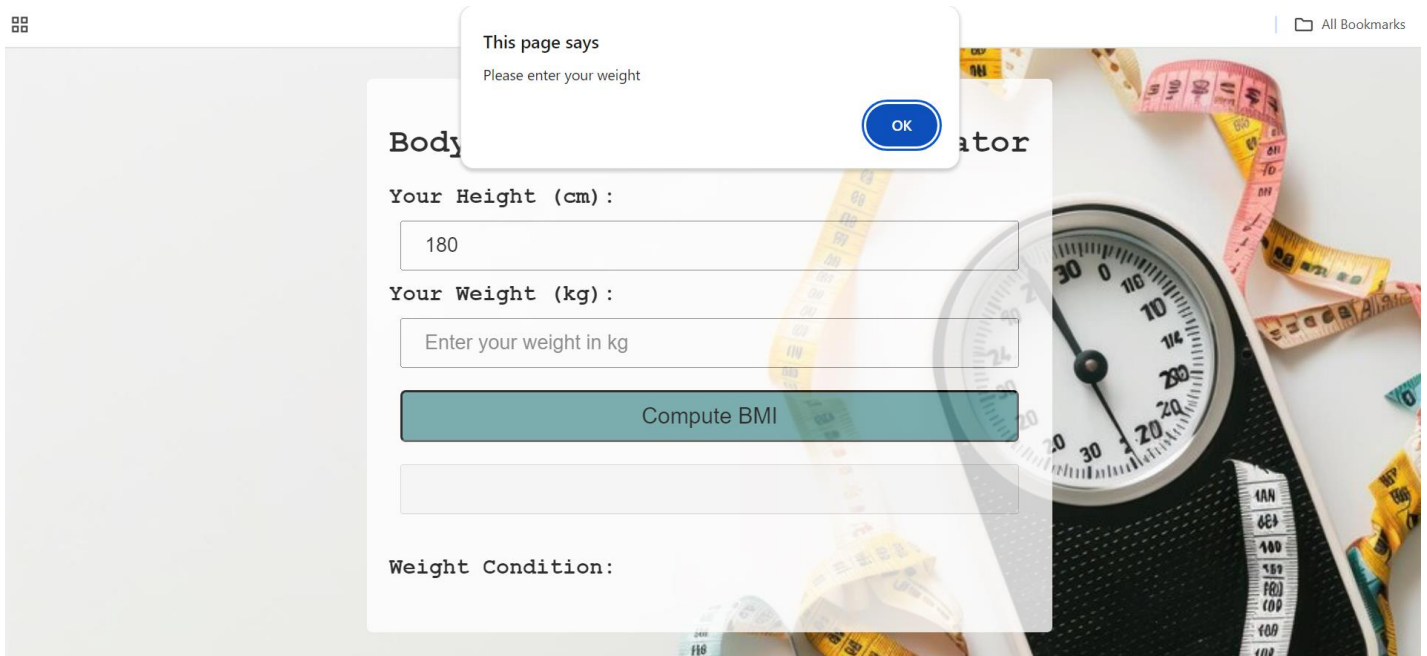
80

Compute BMI

24.691358024691358

Weight Condition: Normal weight

If the user doesn't type his height or weight, The following message will appear.



The screenshot shows a web application titled "Body Mass Index Calculator". It features a form with two input fields: "Your Height (cm) :" with the value "180" and "Your Weight (kg) :" with the placeholder text "Enter your weight in kg". Below these fields is a teal button labeled "Compute BMI". A light gray box for the result is positioned below the button. At the bottom, there is a label "Weight Condition:". A modal message box is displayed over the form, stating "This page says Please enter your weight" with an "OK" button. The background of the page is a collage of measuring tapes and a scale. The browser's address bar shows "All Bookmarks".

Body Mass Index Calculator

Your Height (cm) : 180

Your Weight (kg) : Enter your weight in kg

Compute BMI

Weight Condition:

This page says
Please enter your weight

OK

All Bookmarks