

Exam: intro to web

You have access to all the documents in TEAMS, but you do not have access to the Internet or ChatGPT.

Exercise 1 (10 points)

You are tasked with creating a JavaScript function to calculate BMI. BMI is calculated using the formula:

$$BMI = \frac{weight\ in\ kg}{(height\ in\ m)^2}$$

Create a simple HTML page that includes two input fields and a button. The goal is to allow users to input their weight and height, and when they click the button, it should display their Category in an alert box.

Enter your weight in kg :

Enter your height in m :

BMI

BMI categories:

- BMI 18.5 to 24.9: Normal weight
- Otherwise: Overweight or Underweight

Exercise 2 (5 points)

The bookstore applies the following delivery cost structure:

- For purchases under 100 EURO: 8 EURO for shipping costs and 5 EURO for packing costs.
- Otherwise: 8 EURO for shipping costs with no additional packing costs.

Example: price = 99, then total price = 99 + 8 + 5 = 112.

Create a simple HTML page featuring a single input field and a button. The user can enter a price, and upon clicking the Calculate button, the total price will be shown in an alert box.

Enter the price :

Calculate

Exercise 3 (5 points)

1. Use the `getElementById` method to find the `<p>` element and change its text to "Hello".

```
<p id="MyId"></p>

<script>
//write your script here
</script>
```

2. Use HTML DOM to change the value of the image's `src` attribute to "mountain.jpg".

```


<script>
//write your script here
</script>
```

3. Use HTML DOM to change the value of the input field to "Have a nice day!".

```
<input type="text" id="myText" value="Hello">

<script>
//write your script here
</script>
```

4. Change the text color of the `<p>` element to "red".

```
<p id="demo"></p>

<script>
//write your script here
</script>
```

5. Use the CSS `display` property to hide the `p` element.

```
<p id="demo"></p>

<script>
//write your script here
</script>
```