

DOM Challenge 2

index.html — Your webpage

This file creates the structure of your page. It includes a heading, a button, and a paragraph where the greeting will appear.

```
html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Greeting with JavaScript</title>
</head>
<body>
  <!-- Main heading of the page -->
  <h1>Hello!</h1>

  <!-- Button the user will click -->
  <button id="greetButton">Click here</button>

  <!-- Empty paragraph where the greeting message will appear -->
  <p id="responseText"></p>

  <!-- This line connects the JavaScript file to the HTML page -->
  <script src="script.js"></script>
</body>
</html>
```

script.js — Your JavaScript file

This file contains the instructions that tell the button what to do when clicked.

```
javascript
// This line finds the button using its ID and listens for a click
document.getElementById("greetButton").addEventListener("click", () => {

  // When the button is clicked, this line changes the text inside the paragraph
  document.getElementById("responseText").textContent = "Nice to meet you! 😊";
});
```

What each part does

- `document.getElementById("greetButton")`: Finds the button on the page.
- `.addEventListener("click", ...)`: Waits for the user to click the button.
- `document.getElementById("responseText").textContent = ...`: Changes the paragraph to show a friendly message.

How to run it

1. Open Visual Studio Code.
2. Save both files (`index.html` and `script.js`) inside a folder called `greeting`.
3. Right-click on `index.html` and choose "Open with Live Server."
4. Your browser will open and show the page.
5. Click the button — you'll see the greeting appear!

What's the goal?

We want to make a webpage with a button. When you click the button, it will say something nice to you. Like a little digital high-five. 🙌😊

Step 1: Set up your project folder

Create a folder on your computer called `greeting`. Inside that folder, you'll make two files:

- `index.html` → this is your webpage
- `script.js` → this is your JavaScript (the brain that makes things happen)

Step 2: Create your HTML file

Open Visual Studio Code (or any code editor you like). Create a new file and save it as `index.html` inside your `greeting` folder.

Now copy and paste this into it:

```
html
<!DOCTYPE html>
<html lang="en">
```

```
<head>
  <meta charset="UTF-8">
  <title>Greeting with JavaScript</title>
</head>
<body>
  <h1>Hello!</h1>
  <button id="greetButton">Click here</button>
  <p id="responseText"></p>

  <script src="script.js"></script>
</body>
</html>
```



What's happening here?

- `<h1>` shows a big “Hello!” at the top.
- `<button>` is the thing you’ll click.
- `<p>` is where the greeting message will appear.
- `<script>` connects your HTML to your JavaScript file.



Step 3: Create your JavaScript file

Now make another file in the same folder and name it `script.js`.

Paste this code into it:

```
javascript
document.getElementById("greetButton").addEventListener("click", () => {
  document.getElementById("responseText").textContent = "Nice to meet you! 😊";
});
```



What does this do?

- It finds the button (`greetButton`) and listens for a click.
- When you click it, it changes the text inside the `<p>` to say “Nice to meet you!”



Step 4: See it in action!

Now let’s open your webpage and test it.

✓ If you have Live Server:

1. Right-click on `index.html`
2. Choose “Open with Live Server”
3. Your browser will open and show your page
4. Click the button—boom! You get a greeting 🎉

🆘 If you don't have Live Server:

1. In VSCode, click the cube icon on the left (Extensions)
2. Search for “Live Server”
3. Click “Install”
4. Go back to your file, right-click `index.html`, and choose “Open with Live Server”



Bonus Tip: Auto Save

Tired of pressing Ctrl + S every time? You can turn on Auto Save:

1. In VSCode, go to the top menu
2. Click “File” → “Auto Save” (or “Guardar automáticamente”)
3. You'll see a ✓ if it's turned on

Now your changes save automatically!