

Laboratory 02 – HTML

Task 01

Start Visual Studio Code. Create a new file and save it as “index.html” in your working folder.

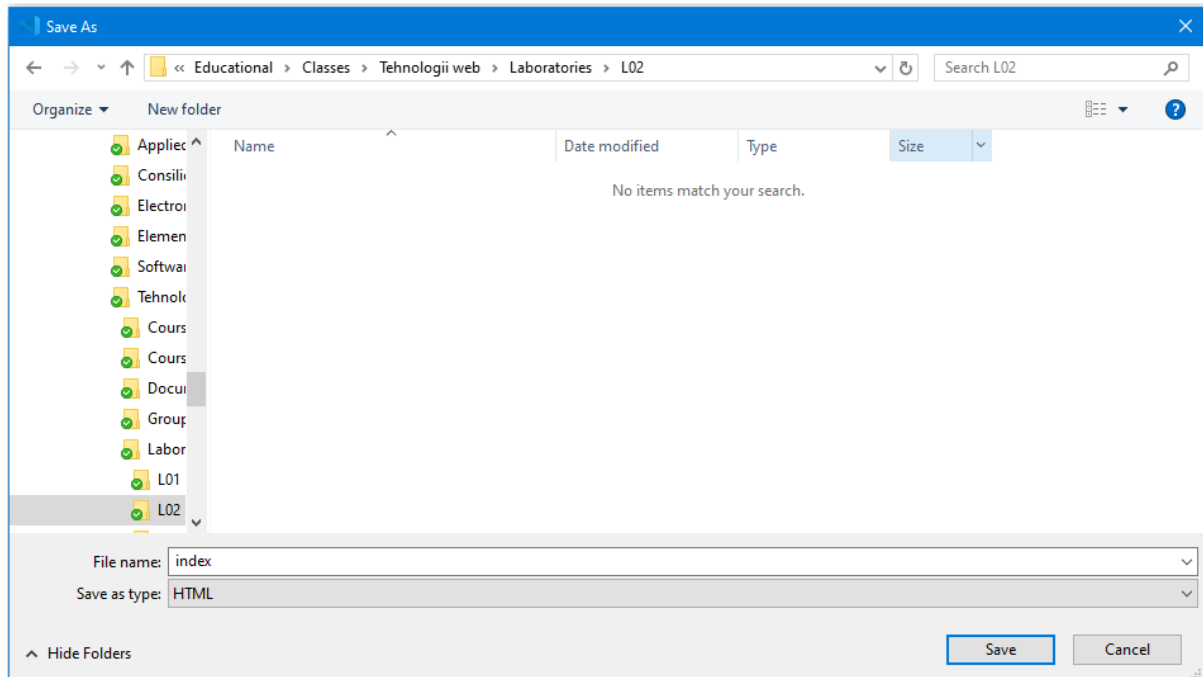


Figure 1. Save your file as "index.html"

Hint: In your empty HTML document type just a single exclamation mark (!) and hit Enter. This will generate an HTML template for you. MAGIC! Well... kind of – they are actually called emmet abbreviations. There is a link to further reading about them in the Bibliography of Course 02.

Edit “index.html” to set the following properties for your webpage:

- Title: My HTML Webpage
- Language: English
- Keywords: my, first, HTML, webpage
- Author: *Your Name (i.e. your actual name)*
- Description: This is my first HTML webpage. Please don't judge me cause it's ugly. I promise I will make it prettier in the following weeks!

Task 02

Add the below HTML elements to your webpage.

Inside a <main> element the following:

- An `<h1>` element with the contents of “My HTML web page is ugly”
- Five `<p>` elements with random text (get random text from <https://www.lipsum.com/> or even better, just type `lorem` and hit Enter and VS Code will generate random text for you)
- The below table:

Student name	Student id	Exam mark	Final mark
Adam Banam	#1432	9.30	8.50
Datam Tadam	#4575	5.30	6.50
Madam Radam	#1458	4.30	3.50

Do not copy table data exactly, just fill it with random values!

Pro tip #1: Pressing ALT+SHIFT+F will force Visual Studio Code to apply automatic formatting to your code. Please, for the love of God, use it often an indent your code to match the HTML structure!

Note that if there are multiple formatting plugins available, you must choose a default. I would recommend installing a plugin called “Prettier” which is able to handle most file types.

Pro tip #2: Pressing ALT+SHIFT+↓ will duplicate the line of code you are currently on.

Up until now, your web page should look like this:

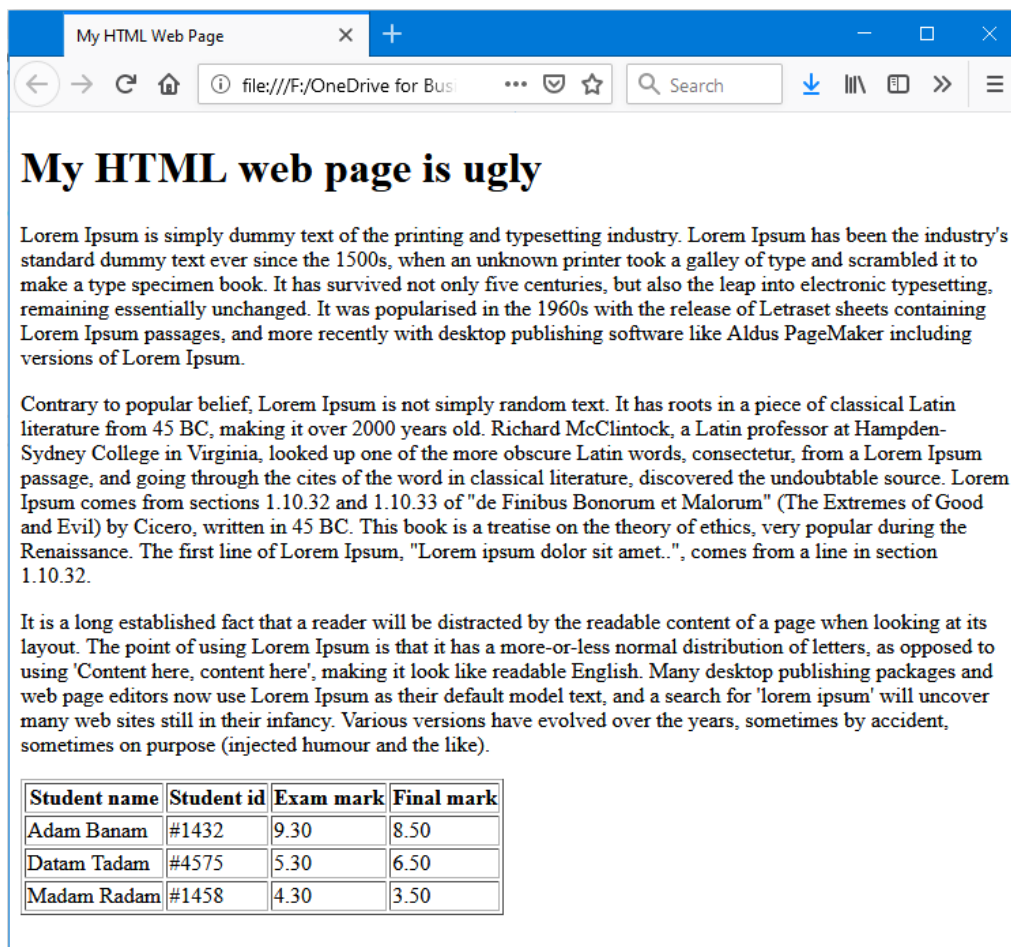


Figure 2. This is how your web page should look like

Task 03

Add an `<h2>` tag that contains the text “My form”.

Inside a `<form>` tag, add the following form elements:

- On the same line:
 - Label: First Name
 - Text field
 - Label: Last Name
 - Text field
- On a new line:
 - Label: E-mail
 - E-mail field
- On a new line:
 - Label: Password
 - Password field
- On a new line radio buttons for gender: “male”, “female”, “other”
- On a new line, a date picker labeled “Birth date”
- On a new line, dropdown field labeled “Age group”: “<20”, “20-30”, “30-40”, “40-50”, “>50” (use `<` and `>` to insert the “less than” and “greater than” symbols in HTML, e.g.: “`<20`” will render as “<20”)
- On a new line:
 - Label: Shipping Address
 - Multiline text field
- On a new line two buttons:
 - Clear form
 - SUBMIT

My form

First Name: Last Name:

E-mail

Password:

☒ Male ☐ Female ☐ Other

Birth date

Age group

Shipping address

Figure 3. This is how your form should look like

Task 04

Add a `<nav>` element to your HTML page (outside of the `<main>` element). Inside the nav element, add an unordered list with the following list items

- Home
- About
- Our products
- Contacts
- Staff

Task 05

Add a `<footer>` element to your HTML web page. The footer contains the following text:

© *Your name*, Cluj-Napoca, Romania – 2019

Hint: Use `©` to insert a copyright symbol.

- 
- Home
 - About
 - Our products
 - Contacts
 - Staff

© Rajmond János, Cluj-Napoca, Romania - 2019

Figure 4. The renderings for Task 04 and Task 05 should look like this

Task 06

Add comments to your HTML code, explaining what each section does!

Finally, upload the HTML file that resulted from today's work to the assignment in Teams! Don't forget to hit the "Hand in" button after you are done!

Homework

Create the pure HTML webpage presented in the image below!



The image shows a web browser window with the address bar displaying "127.0.0.1:5500/index.html?freq=1". The page content includes a heading "Newsletter signup", a paragraph about receiving annoying news letters, a bulleted list of topics, a pinky promise, a form with fields for First name, Last name, E-mail address, Confirm e-mail address, Mobile number, and Gender, a question about how often to receive the newsletter with three radio button options, and three buttons at the bottom: "Submit Query", "Reset", and "Don't press this button!".

Newsletter signup

Sign up for our annoying news letter to receive e-mails every hour about:

- Things you do not care about
- Products you never want to buy
- Scams and phishing attempts
- Singles in your area

Please provide all your personal information, because we will DEFINETLY not sell it to anyone. Pinky promise!

First name Last name

E-mail address Confirm e-mail address

Mobile number

Gender

How often would you like to receive our newsletter?

☐ Once every hour

☒ Once every 60 minutes

☐ Once every 3600 seconds

Figure 5. The webpage that needs to be created as homework

Note that the homework is not compulsory and does not need to be uploaded/submitted anywhere. It is just for practice for those who want to work extra!