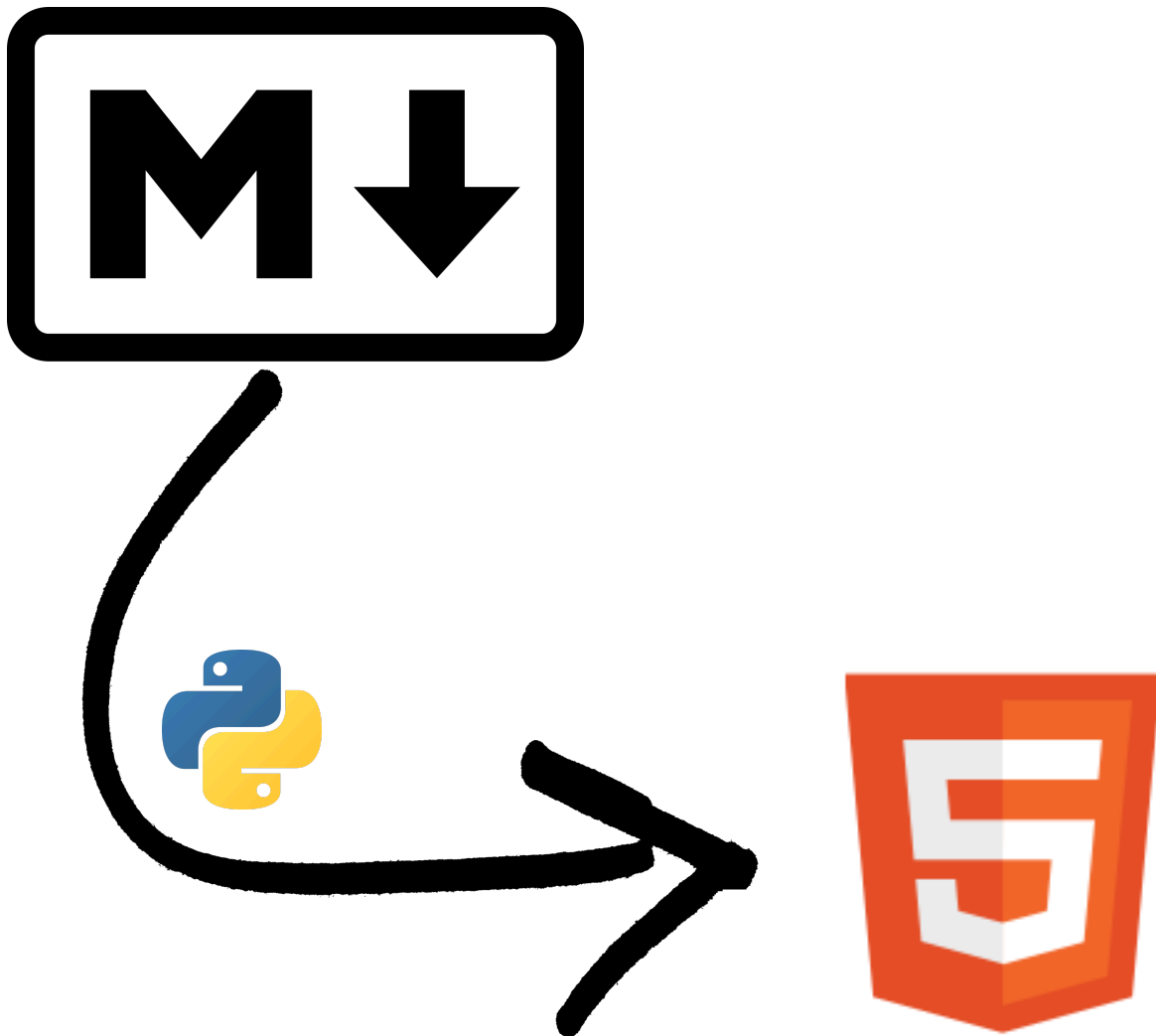


Markdown to HTML

using Python

Have you ever written a `readme.md` and converted to HTML ?

Well, just write **16 lines** of Python code — congratulations, you've made a Markdown-to-HTML converter.



Prerequisites:

You should have basic knowledge of Python file handling and the Markdown language.

Don't know them? No worries! Links are provided below — just learn these. (If you're not comfortable with text, video links are also attached to the post.). Notes are also provided there.

Python file handling: [Click here](#)

Markdown language: [Click here](#)

What is Markdown?

Markdown is a lightweight markup language to format plain text. It is like HTML but with less complexity..

Used for:

- README files (GitHub, GitLab)
- Documentation
- Blogs, notes, static site generators

What is HTML?

HTML (HyperText Markup Language) is the standard language for creating web pages.

Used for :

In simple words, it tells the browser **which elements to show and how to show them**, like which text should appear big or small, etc.

Step 1

(This step is optional but recommended)

A: Create virtual environment

```
python -m venv env
```

B: Activate it

- On Windows:
`env\Scripts\activate`
- On macOS/Linux:
`source env/bin/activate`

Step 2

A: Install 'markdown' (it converts the .md file to .html)

```
pip install markdown
```

B: Create a markdown file (Here we assuming the file name is sample.md you can give any name you want)

Step 3

```
import markdown as md # Import the 'markdown' module to convert
Markdown text to HTML

# Function to convert a Markdown file to an HTML file
def convertToHtml(md_file, html_file):
    try:
        # Open the Markdown file in read mode
        with open(md_file, 'r') as file:
            md_text = file.read() # Read the entire content of the Markdown file

        # Convert the Markdown text to HTML
        html_text = md.markdown(md_text)

        # Open (or create) the HTML file in write mode
        with open(html_file, 'w') as file:
            file.write(html_text) # Write the converted HTML content to the file

        # Print success message if conversion is successful
        print("SUCCESS: Conversion successful.")

    except: # If any error occurs during the process
        print("ERROR: Conversion error!") # Print error message

# Call the function with the Markdown file 'sample.md' and output HTML file
'converted.html'
convertToHtml('sample.md', 'converted.html')
```