Markdown to HTML

thon HTML My Planning(/planning/me)

⚙ Weight: 1

Projects(/projects/current)

📋 Project over - took place from Jul 8, 2024 6:00 AM to Jul 15, 2024 6:00 AM

✅ An auto QA Review will be launched at the deadline corrections/to_review)

? Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)

Description

Markdown is awesome! All your README.md are made in Markdown, but do you know how GitHub are rendering them?

🎓 Curriculums(/dashboards/my_curriculums)

It's time to code a Markdown to HTML!

📄 Concepts(/concepts)

Requirements

💬 Conference rooms(/dashboards/video_rooms)

- All your files will be interpreted/compiled on Ubuntu 18.04 LTS using `python3` (version 3.7 or higher)
- The first line of all your files should be exactly `#!/usr/bin/python3` Servers(/servers)
- A `README.md` file, at the root of the folder of the project, is mandatory
- Your code should use the `PEP 8` style (version 1.7.*)
- All your files must be executable Sandboxes(/user_containers/current)
- All your modules should be documented: `python3 -c 'print(__import__("my_module").__doc__)'` Tools(/dashboards/my_tools)
- Your code should not be executed when imported (by using `if __name__ == "__main__":`)

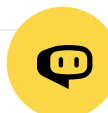🎞 Video on demand(/dashboards/videos)

Tasks

👥 Peers(/users/peers)

0. Start a script   `#advanced`

💬 Discord(https://discord.com/app)
Write a script `markdown2html.py` that takes an argument 2 strings:

- First argument is the name of the Markdown file
- Second argument is the output file name

Requirements:

My Profile(/users/my_profile)

- If the number of arguments is less than 2: print in STDERR `Usage: ./markdown2html.py README.md README.html` and exit 1
- If the Markdown file doesn't exist: print in STDER `Missing <filename>` and exit 1
- Otherwise, print nothing and exit 0

```
guillaume@vagrant:~/$ ./markdown2html.py
Usage: ./markdown2html.py README.md README.html
guillaume@vagrant:~/$ echo $?
1
```

```
guillaume@vagrant:~/$
guillaume@vagrant:~/$ ./markdown2html.py README.md README.html
Missing README.md
```

```
guillaume@vagrant:~/$ echo $?
1
guillaume@vagrant:~/$
```

```
guillaume@vagrant:~/$ echo "Test" > README.md
guillaume@vagrant:~/$ ./markdown2html.py README.md README.html
guillaume@vagrant:~/$
```

Repo:

- GitHub repository: `alx-frontend-for-fun`
- File: `markdown2html.py`

Check submission

1. Headings

`#advanced`

Improve `markdown2html.py` by parsing Headings Markdown syntax for generating HTML:

Syntax: (you can assume it will be strictly this syntax)

Markdown	HTML generated
`# Heading level 1`	`<h1>Heading level 1</h1>`
`## Heading level 2`	`<h2>Heading level 1</h2>`
`### Heading level 3`	`<h3>Heading level 1</h3>`
`#### Heading level 4`	`<h4>Heading level 1</h4>`
`##### Heading level 5`	`<h5>Heading level 1</h5>`
`###### Heading level 6`	`<h6>Heading level 1</h6>`

```
guillaume@vagrant:~/$ cat README.md
# My title
## My title2
# My title3
#### My title4
### My title5

guillaume@vagrant:~/$ ./markdown2html.py README.md README.html
guillaume@vagrant:~/$ cat README.html
<h1>My title</h1>
<h2>My title2</h2>
<h1>My title3</h1>
<h4>My title4</h4>
<h3>My title5</h3>
guillaume@vagrant:~/$
```

Spacing and new lines between HTML tags don't need to be exactly this one

Repo:

- GitHub repository: `alx-frontend-for-fun`
- File: `markdown2html.py`

Check submission

Unordered listing   **#advanced**

Improve `markdown2html.py` by parsing Unordered listing syntax for generating HTML:

Syntax: (you can assume it will be strictly this syntax)

Markdown:

```
- Hello
- Bye
```

HTML generated:

```
<ul>
    <li>Hello</li>
    <li>Bye</li>
</ul>
```

```
guillaume@vagrant:~/$ cat README.md
# My title
- Hello
- Bye

guillaume@vagrant:~/$ ./markdown2html.py README.md README.html
guillaume@vagrant:~/$ cat README.html
<h1>My title</h1>
<ul>
<li>Hello</li>
<li>Bye</li>
</ul>
guillaume@vagrant:~/$
```

Spacing and new lines between HTML tags don't need to be exactly this one

Repo:

- GitHub repository: `alx-frontend-for-fun`
- File: `markdown2html.py`

Check submission

3. Ordered listing

`#advanced`

Improve `markdown2html.py` by parsing Ordered listing syntax for generating HTML:

Syntax: (you can assume it will be strictly this syntax)

Markdown:

```
* Hello
* Bye
```

HTML generated:

```
<ol>
    <li>Hello</li>
    <li>Bye</li>
</ol>
```

```
guillaume@vagrant:~/$ cat README.md
# My title
* (M)Hello
* Bye

guillaume@vagrant:~/$ ./markdown2html.py README.md README.html
guillaume@vagrant:~/$ cat README.html
<h1>My title</h1>
<ol>
<li>Hello</li>
<li>Bye</li>
</ol>
guillaume@vagrant:~/$
```

Spacing and new lines between HTML tags don't need to be exactly this one

Repo:

- GitHub repository: `alx-frontend-for-fun`
- File: `markdown2html.py`

Check submission

4. Simple text   #advanced

Improve `markdown2html.py` by parsing paragraph syntax for generating HTML:

Syntax: (you can assume it will be strictly this syntax)

Markdown:

```
Hello

I'm a text
with 2 lines
```

HTML generated:

```
<p>
    Hello
</p>
<p>
    I'm a text
        <br />
    with 2 lines
</p>
```

```
guillaume@vagrant:~/$ cat README.md
# My title
- Hello
- Bye
```

```
Hello

I'm a text
with 2 lines
```

```
guillaume@vagrant:~/$ ./markdown2html.py README.md README.html
guillaume@vagrant:~/$ cat README.html
<h1>My title</h1>
<ul>
<li>Hello</li>
<li>Bye</li>
</ul>
<p>
    Hello
</p>
<p>
    I'm a text
    <br/>
    with 2 lines
</p>
guillaume@vagrant:~/$
```

Spacing and new lines between HTML tags don't need to be exactly this one

Repo:

- GitHub repository: `alx-frontend-for-fun`
- File: `markdown2html.py`

Check submission

5. Bold and emphasis text `#advanced`

Improve `markdown2html.py` by parsing bold syntax for generating HTML:

Syntax: (you can assume it will be strictly this syntax)

Markdown	HTML generated
`**Hello**`	`<b>Hello</b>`
`__Hello__`	`<em>Hello</em>`

```
guillaume@vagrant:~/$ cat README.md
# My title
- (M)e**l**lo
- Bye

Hello

I'm **a** text
with __2 lines__

**Or in bold**

guillaume@vagrant:~/$ ./markdown2html.py README.md README.html
guillaume@vagrant:~/$ cat README.html
<h1>My title</h1>
<ul>
<li>He<b>l</b>lo</li>
<li>Bye</li>
</ul>
<p>
Hello
</p>
<p>
I'm <b>a</b> text
<br/>
with <em>2 lines</em>
</p>
<p>
<b>Or in bold</b>
</p>
guillaume@vagrant:~/$
```

Spacing and new lines between HTML tags don't need to be exactly this one

Repo:

- GitHub repository: `alx-frontend-for-fun`
- File: `markdown2html.py`

Check submission

6. ... but why?? `#advanced`

Improve `markdown2html.py` by parsing bold syntax for generating HTML:

Syntax: (you can assume it will be strictly this syntax)

Markdown	HTML generated	description
[[Hello]]	8b1a9953c4611296a827abf8c47804d7	convert in MD5 (lowercase) the content
((Hello Chicago))	Hello hiago	remove all `c` (case insensitive) from the content

```
guillaume@vagrant:~/$ cat README.md
# My title
- (H)e**l**lo
- Bye
```

Hello

```
I'm **a** text
with _2 lines_

((I will live in Caracas))
But it's [[private]]

So cool

guillaume@vagrant:~/$ ./markdown2html.py README.md README.html
guillaume@vagrant:~/$ cat README.html
<h1>My title</h1>
<ul>
<li>He<b>l</b>lo</li>
<li>Bye</li>
</ul>
<p>
Hello
</p>
<p>
I'm <b>a</b> text
<br/>
with <em>2 lines</em>
</p>
<p>
I will live in araas
</p>
<p>
But it's 2c17c6393771ee3048ae34d6b380c5ec
</p>
<p>
So cool!
</p>
guillaume@vagrant:~/$
```

Spacing and new lines between HTML tags don't need to be exactly this one

Repo:

- GitHub repository: `alx-frontend-for-fun`
- File: `markdown2html.py`

Check submission >_ Get a sandbox

≡
(/)

🏠 Home(/)

📅 My Planning(/planning/me)

🔀 Projects(/projects/current)

✓ QA Reviews I can make(/corrections/to_review)

? Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)

🎓 Curriculums(/dashboards/my_curriculums)

📄 Concepts(/concepts)

💬 Conference rooms(/dashboards/video_rooms)

🗄 Servers(/servers)

>_ Sandboxes(/user_containers/current)

🔧 Tools(/dashboards/my_tools)

🎞 Video on demand(/dashboards/videos)

👥 Peers(/users/peers)

🎮 Discord(https://discord.com/app)

🔍

My Profile(/users/my_profile)