

Markdown to HTML

 [Python](#) [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-generated document that tracks your 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)

[Servers\(/servers\)](#)

- The first line of all your files should be exactly `#!/usr/bin/python3`
- 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.*)

[Sandboxes\(/user_containers/current\)](#)

- All your files must be executable
- All your modules should be documented: `python3 -c`

[Tools\(/dashboards/my_tools\)](#)

- Your code should not be executed when imported (by using `if __name__ == "__main__":`)

[Video on demand\(/dashboards/videos\)](#)

Tasks

[Peers\(/users/peers\)](#)

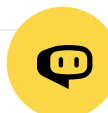
0. Start a script

#advanced

[Discord\(https://discord.com/app\)](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 STDERR Missing <filename> and exit 1
- Otherwise, print nothing and exit 0

```

Home(/)
guillaume@vagrant:~/ $ ./markdown2html.py
Usage: ./markdown2html.py README.md README.html
guillaume@vagrant:~/ $ echo $?
1
My Planning(/planning/me)
guillaume@vagrant:~/ $
guillaume@vagrant:~/ $ ./markdown2html.py README.md README.html
Missing README.md
guillaume@vagrant:~/ $ echo $?
1
QA Reviews I can make(/corrections/to_review)
guillaume@vagrant:~/ $
guillaume@vagrant:~/ $ echo "Test" > README.md
guillaume@vagrant:~/ $ ./markdown2html.py README.md README.html
guillaume@vagrant:~/ $
Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)

```

Repo:

- Curriculumums(/dashboards/my_curriculumums)
- GitHub repository: alx-frontent-for-fun
- File: markdown2html.py

Concepts(/concepts)

Check submission

Conference rooms(/dashboards/video_rooms)

1. Headings

#advanced

Servers(/servers)
Improve markdown2html.py by parsing Headings Markdown syntax for generating HTML:

Syntax: (you can assume it will be strictly this syntax)
Sandboxes(/user_containers/current)

Markdown	HTML generated
# Heading level 1 Tools(/dashboards/my_tools)	<h1>Heading level 1</h1>
## Heading level 2	<h2>Heading level 1</h2>
### Heading level 3 Video on demand(/dashboards/videos)	<h3>Heading level 1</h3>
#### Heading level 4	<h4>Heading level 1</h4>
##### Heading level 5 Peers(/users/peers)	<h5>Heading level 1</h5>
##### Heading level 6	<h6>Heading level 1</h6>

Discord(<https://discord.com/app>)

My Profile(/users/my_profile)



```

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

guillaume@vagrant:~/ $ ./markdown2html.py README.md README.html
My Planning(/planning/me)
<h1>My title</h1>
<h2>My title2</h2>
Projects(/projects)
<h1>My Projects(/projects/current)
<h4>My title4</h4>
<h3>My title5</h3>
QA Reviews I can take(/corrections/to_review)

```

Spacing and new lines between HTML tags don't need to be exactly this one
 ? Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)

Repo:

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

Check submission Concepts(/concepts)

Unordered listing

#advanced

Improve markdown2html.py by parsing Unordered listing syntax for generating HTML:
 Servers(/servers)
Syntax: (you can assume it will be strictly this syntax)

Markdown:
 >_ Sandboxes(/user_containers/current)

- Hello
 - Bye
- Tools(/dashboards/my_tools)

HTML generated:

Video on demand(/dashboards/videos)

 Hello
 Bye

 Peers(/users/peers)

Discord(<https://discord.com/app>)



My Profile(/users/my_profile)

```
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> My Planning(/planning/me)
  <li>Hello</li>
  <li>Bye</li>
</ul> Projects(/projects/current)
guillaume@vagrant:~/ $
```

✓ QA Reviews I can make (/corrections/to-review)
Spacing and new lines between HTML tags don't need to be exactly this one

? Repo: Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)

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

🎓 Curriculum(s)(/dashboards/my_curriculums)

Check submission

📄 Concept(s)(/concepts)

3. Ordered listing

#advanced

🗨 Conference room(s)(/dashboards/video_rooms)
Improve markdown2html.py by parsing Ordered listing syntax for generating HTML:

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

🖨 Servers(/servers)
Markdown:

```
> * Hello
  * Bye
Sandboxes(/user_containers/current)
```

🔑 HTML generated:
Tools(/dashboards/my_tools)

🎬 Video on demand(/dashboards/videos)

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

👥 Peers(/users/peers)

🎮 Discord(<https://discord.com/app>)



My Profile(/users/my_profile)

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

guillaume@vagrant:~/ $ ./markdown2html.py README.md README.html
guillaume@vagrant:~/ $ cat README.html
<h1>My title</h1>
<ol> My Planning(/planning/me)
<li>Hello</li>
<li>Bye</li>
</ol> Projects(/projects/current)
guillaume@vagrant:~/ $
```

✓ QA Reviews I can make (/corrections/to-review)
Spacing and new lines between HTML tags don't need to be exactly this one

? Repo: Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)

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

🎓 Curriculums(/dashboards/my_curriculums)

Check submission

📄 Concepts(/concepts)

4. Simple text

#advanced

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

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

🖥️ Servers(/servers)
Markdown:

```
>_ Hello Sandboxes(/user_containers/current)
  I'm a text
  with 2 lines
🔧 Tools(/dashboards/my_tools)
```

HTML generated:


```
🎬 Video on demand(/dashboards/videos)
<p>
  Hello
</p>
<p>
👥 I meet (/users/peers)
  <br />
  with 2 lines
🐙 </p> Discord(https://discord.com/app)
```



My Profile(/users/my_profile)


guillaume@vagrant:~/ \$ cat README.md

```
# My title
- Hello
- Bye
```


 Hello Home(/)


 I'm a text
with 2 lines
My Planning(/planning/me)

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

 Projects(/projects/current) README.html

```
<h1>My title</h1>
<ul>
<li>Hello</li>
<li>Bye</li>
</ul>
```


 <p> Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)
Hello
</p>

 <p>
I'm a text


 Curriculums(/dashboards/my_curriculums)
with 2 lines
</p>


 guillaume@vagrant:~/ \$
Concepts(/concepts)

 Spacing and new lines between HTML tags don't need to be exactly this one
Conference rooms(/dashboards/video_rooms)

 Repo:

- Servers(/servers)
- GitHub repository: alx-frontend-for-fun
- File: markdown2html.py

 Sandboxes(/user_containers/current)

 Check submission
Tools(/dashboards/my_tools)


5. Bold and emphasis text

#advanced

 Video on demand(/dashboards/videos)

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

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

 Markdown (HTML generated)

Hello	Hello
-----------	--------------

 __Hello__	Hello
---	----------------



My Profile(/users/my_profile)

```

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

Hello Home(/)

I'm **a** text
with My Planes(/planning/me)

**Or in bold**
Projects(/projects/current)
guillaume@vagrant:~/ $ ./markdown2html.py README.md README.html
guillaume@vagrant:~/ $ cat README.html
<h1>My QA Review</h1>
<ul>
<li>Hello</li>
<li>Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)
</li>
</ul>
<p>
Hello
</p>
<p> Curriculums(/dashboards/my_curriculums)
I'm <b>a</b> text
<br/>
with <em>2 lines</em>
</p>
<p>
<b>Or in bold</b>
</p>
guillaume@vagrant:~/ $
Servers(/servers)

```

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

```

> Sandboxes(/user_containers/current)

```

Repo:

- GitHub repository: [alx-frontend-for-fun](#)
- File: markdown2html.py

```

Video on demand(/dashboards/videos)

```

Check submission

6. ... but why??

#advanced

```

Peers(/users/peers)

```

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

Syntax: You can't escape it with backslash (this syntax) [Discord discussion with backslash](#)

Markdown	HTML generated	description
[[Hello]]	8b1a9953c4611296a827abf8c47804d7	convert in MD5 (lowercase) the content
((Hello My Profile(/users/my_profile) Chicago))		remove all c (case insensitive) from the content

```

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

Hello Home(/)

I'm a text
with My Planes(/planning/me)


((I will live in Caracas))
Projects(/projects/current)
But it's [[private]]

✓ So cool! QA Reviews I can make(/corrections/to_review)

guillaume@vagrant:~/ $ ./markdown2html.py README.md README.html
? guillaume@vagrant:~/dashboards/my_current_evaluation_quizzes)
<h1>My title</h1>
<ul>
<li>He<b>l</b>lo</li>
<li>Bye</li>
</ul> Curriculums(/dashboards/my_curriculums)
<p>
Hello
</p> Concepts(/concepts)
<p>
I'm <b>a</b> text
<br/> Conference rooms(/dashboards/video_rooms)
with <em>2 lines</em>
</p>
<p> Servers(/servers)
I will live in araas
</p>
>_<p> Sandboxes(/user_containers/current)
But it's 2c17c6393771ee3048ae34d6b380c5ec
</p>
<p> Tools(/dashboards/my_tools)
So cool!
</p>
guillaume@vagrant:~/ $ ./markdown2html.py README.md README.html
guillaume@vagrant:~/dashboards/videos)


```

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

 Peers(/users/peers)
Repo:

- GitHub repository: alx-frontend-for-fun
- Discord(<https://discord.com/app>)

Check submission

 Get a sandbox

My Profile(/users/my_profile)





(/)



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)