

Installation

Visual Studio Code : <https://code.visualstudio.com/>

Pandoc : <https://pandoc.org/installing.html>

Git installation : <https://git-scm.com/download/win>

GitHub

Creating a github account: <https://github.com/>

For pro account, you can link school email address to get benefits:

https://education.github.com/discount_requests/new

What is markdown

Markdown is a text-to-HTML conversion tool for web writers.

Markdown allows you to write using an easy-to-read, easy-to-write plain text format, then convert it to structurally valid XHTML (or HTML).

Markdown is now commonly used to write README for Github.

History

John Gruber created markdown after being frustated with writing long html tags to format his content.

So he created markdown which makes web based document easier to read and write.

Example

To look like this : The *quick* brown fox, jumped **over** the lazy dog.

Html:

The `<i>quick</i>` brown fox, jump `over` the lazy``

Markdown:

The `*quick*` brown fox, jumped `**over**` the lazy [dog](https

Why writers love markdown so much ?

You have to pause your writing once awhile to reach over the mouse in order to click a formatting button, then click back to where you left off to continue.

Markdown allows us to keep our fingers on keyboard as we write any documents. It might seem like a small detail but it has a big effect. Once you start writing, it's hard to go back.

While novice users will find buttons a bit easier to use, advanced writers often swear by markdown and nothing else due to ***writing flow***.

Basic Markdown

Code Block

C

```
““C
```

```
int main(void){
```

```
printf(“Hello world”);
```

```
} ““
```

```
int main(void){
```

```
    printf("Hello world");
```

```
}
```

Python

```
““python
```

```
s = “Python syntax highlighting”
```

```
print s
```

```
““
```

Headings

Headers

Heading 1

Heading 2

Heading 3

Heading 1

Heading 2

Heading 3

Text

Text

italic

****bold****

******bold-italic******

italic

bold

bold-italic

Link

`[link] (https://example.com)`

link

Image

Image

! [m'lady] (<https://i.imgur.com/v8IVDka.jpg>)



List

List

- * Unordered 1
 - * Subunordered 1

1. Ordered 1
2. Ordered 2
3. Ordered 3

- ▶ Unordered 1
 - ▶ Subunordered 2

1. Ordered 1
2. Ordered 2
3. Ordered 3

Quote

> Quote
 Quote

Table

Horizontal Rules

Table

```

Tables          | Are          | Cool
-----|:-----:| -----:
col 3 is        | right-aligned | $1600
col 2 is        | centered      |  $12
zebra stripes   | are neat      |  $1
[Introduction]  | (#&nbsp;Installation ) | jumping
[Hyperlink](testing.txt) | redirect      | files

```

Tables	Are	Cool
col 3 is	right-aligned	\$1600
col 2 is	centered	\$12
Introduction	jumping	spaces
Hyperlink	redirect	files

Escape

Escape

`*literally*`

`*literally*`

File conversion with Pandoc

Introduction to pandoc

If you need to convert files from one markup format into another, pandoc is your swiss-army knife.

Pandoc is a Haskell library for converting from one markup format to another, and a command-line tool that uses this library.

Conversion

Convert Markdown to HTML : `pandoc -f markdown -t html5 filename.md -o output.html`

Convert Markdown to Docs : `pandoc -s filename.md -o output.docx`

Convert Markdown to pdf : `pandoc -f markdown -t beamer filename.md -o output.pdf`