Rapport de travail

Rendu intermédiaire

*Rob Knell*

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Table des matières

# Introduction

A partir d’un document Markdown, obtenir un fichier en PDF ou DOCX de qualité scientifique en passant par Latex avec Pandoc, pour des rapports, des travaux de fin d’étude ou des supports de cours.

* Liste des :
  + listing de codes,
  + figures,
  + tableaux,
  + références bibliographiques.
* Mermaid.
* Mathjax.
* Notes de bas de page.
* Mise en page:
  + book,
  + report,
  + article.

## Citation

Blah blah.[[1]](#footnote-20)

Blah blah F.-E. Goffinet[[2]](#footnote-21)

Blah blah[[3]](#footnote-23)

## Math

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### Superscript/Subscript

H2O is a liquid. 210 is 1024.

## Multi columns

### H3 - a

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### H3 - b

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### H3 - c

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## Diagramme Mermaid

Diagramme Mermaid[[4]](#footnote-31).

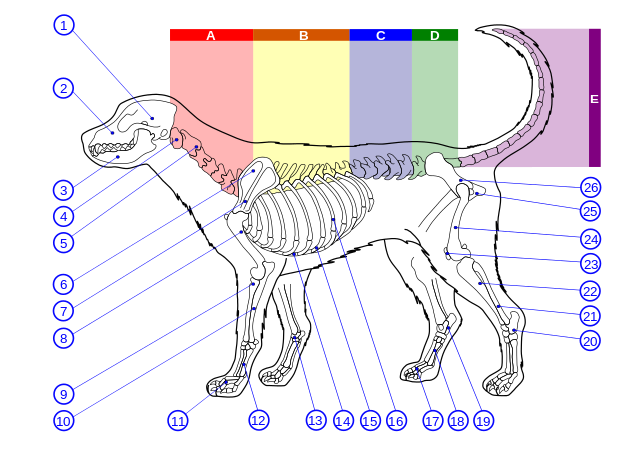
![](data:image/png;base64;base64,)

# Examples

## Skeleton of a dog

Skeleton of a dog [[5]](#footnote-36).

**A** – Cervical or Neck Bones (7 in number). **B** – Dorsal or Thoracic Bones (13 in number, each bearing a rib). **C** – Lumbar Bones (7 in number). **D** – Sacral Bones (3 in number). **E** – Caudal or Tail Bones (20 to 23 in number).



Skeleton of a dog

* 1 – Cranium, or Skull.
* 2 – Maxilla.
* 3 – Mandible, or Lower jaw .
* 4 – Atlas.
* 5 – Axis.
* 6 – Scapula, or Shoulder-blade.
* 7 – Spine of scapula.
* 8 – Humerus.
* 9 – Radius.
* 10 – Ulna.
* 11 – Phalanges.
* 12 – Metacarpal Bones.
* 13 – Carpal Bones or Wrist-bones.
* 14 – Sternum, or Breast-bone.
* 15 – Cartilaginous part of rib.
* 16 – Ribs (13 in number).
* 17 – Phalanges.
* 18 – Metatarsal Bones.
* 19 – Tarsal Bones.
* 20 – Calcaneus (os calcu).
* 21 – Fibula.
* 22 – Tibia.
* 23 – Patella, or Knee-cap.
* 24 – Femur.
* 25 – Ischium.
* 26 – Pelvis, or Hip-bone.

## Linux skeleton

Listing 1: Bash code

root@scw-sad-nash:~# tree -L 1 /  
/  
├── bin -> usr/bin  
├── boot  
├── data  
├── dev  
├── etc  
├── home  
├── lib -> usr/lib  
├── lib32 -> usr/lib32  
├── lib64 -> usr/lib64  
├── libx32 -> usr/libx32  
├── lost+found  
├── media  
├── mnt  
├── opt  
├── proc  
├── root  
├── run  
├── sbin -> usr/sbin  
├── snap  
├── srv  
├── sys  
├── tmp  
├── usr  
└── var  
  
24 directories, 0 files

## Python code

Listing 2: Python code

def find\_first\_address(address):  
 """Find the network address.  
  
 :return: the network address  
 :rtype: str  
 """  
 first\_address = self.integer & self.netmask\_integer  
 return IPAddress(first\_address).from\_integer(self.version)

# Markdown styles

## Emphasis

**This is bold text**

**This is bold text**

*This is italic text*

*This is italic text*

~~Strikethrough~~

The \newpage latex tag create a page break.

## Lists

### Unordered

* Create a list by starting a line with -, or \*
* Sub-lists are made by indenting 2 spaces:
  + Marker character change forces new list start:
    - Ac tristique libero volutpat at
    - Facilisis in pretium nisl aliquet
    - Nulla volutpat aliquam velit
* Very easy!

### Ordered

1. Lorem ipsum dolor sit amet
2. Consectetur adipiscing elit
3. Integer molestie lorem at massa
4. You can use sequential numbers…
5. …or keep all the numbers as 1.

Start numbering with offset:

1. foo
2. bar

## Code

Inline code

Indented code

// Some comments  
line 1 of code  
line 2 of code  
line 3 of code

Block code “fences”

Sample text here...

Syntax highlighting

var foo = function (bar) {  
 return bar++;  
};  
  
console.log(foo(5));

Listing 3: Haskell code

main :: IO ()  
main = putStrLn "Hello World!"

## Tables

Table 1: Table 1

| Item | Avantages | Incovénient |
| --- | --- | --- |
| Item 1 | Avantage 1 | Incovénient 1 |
| Item 2 | Avantage 3 | Incovénient 2 |
| Item 3 | Avantage 3 | Incovénient 3 |
| Item 4 | Avantage 4 | Incovénient 4 |

Table 2: Table 2

| Option | Description |
| --- | --- |
| data | path to data files to supply the data that will be passed into templates. |
| engine | engine to be used for processing templates. Handlebars is the default. |
| ext | extension to be used for dest files. |

Right aligned columns

Table 3: Table 3

| Option | Description |
| --- | --- |
| data | path to data files to supply the data that will be passed into templates. |
| engine | engine to be used for processing templates. Handlebars is the default. |
| ext | extension to be used for dest files. |

## Links

[link text](http://dev.nodeca.com)

[link with title](http://nodeca.github.io/pica/demo/)

Autoconverted link https://github.com/nodeca/pica

## Images



Minion

Like links, Images also have a footnote style syntax



Alt text

With a reference later in the document defining the URL location:

## Boxes

**NOTE**

It works with almost all markdown flavours (the below blank line matters).

***NOTE:*** The note content.

# Conclusion

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# Liste des figures, tableaux et listings de code

# List of Figures

# List of Tables

1. Table 1
2. Table 2
3. Table 3

# List of Listings

1. Bash code
2. Python code
3. Haskell code

# Bibliographie

Goffinet F.-E., *Chiffement des mots de passes locaux en Cisco IOS*, <https://cisco.goffinet.org/ccna/gestion-infrastructure/chiffrement-des-mots-de-passes-locaux-cisco-ios/> , 2021.

Watson J. D. et Crick F. H. C., « [Molecular structure of nucleic acids: a structure for deoxyribose nucleic acid](https://doi.org/10.1038/171737a0) », *Nature*, 1953, 171, 4356, p. 737‑738.

1. J.D. Watson et F.H.C. Crick, « Molecular structure of nucleic acids: a structure for deoxyribose nucleic acid », *Nature*, 1953, 171, 4356, p. 737‑738. [↑](#footnote-ref-20)
2. *Chiffement des mots de passes locaux en Cisco IOS*, <https://cisco.goffinet.org/ccna/gestion-infrastructure/chiffrement-des-mots-de-passes-locaux-cisco-ios/> , 2021. [↑](#footnote-ref-21)
3. F.-E. Goffinet, *Ibid.* [↑](#footnote-ref-23)
4. [Mermaid lets you create diagrams and visualizations using text and code.](https://mermaid-js.github.io/mermaid/#/) [↑](#footnote-ref-31)
5. [Skeleton of a dog](https://upload.wikimedia.org/wikipedia/commons/e/ed/Skeleton_of_a_dog_diagram.svg) [↑](#footnote-ref-36)