
sphinx-example

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Markus Schuster

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This website just purposes to test the sphinx documentation ability.

CODE DOCUMENTATION

class main.Output

For creating standardised console output.

static print(*type_of_message: str = 'normal', *args*)

For printing the desired message formatted to the console.

Parameters

- **type_of_message** (*str*) – it can be either “normal” or “error” so far. The default is “normal”.
- **args** – Messages which the use would like to print to the console.

Returns

nothing

class main.TestClass

This class was just created for testing various things ;)

test_method(*a: str, b: int, c: float*) → int

This method is just for testing purposes. Otherwise, it would be complete nonsense ;)

Parameters

- **a** – insert a desired string.
- **b** – insert a desired integer.
- **c** – insert a desired floating number.

Returns

just 1!!

class main.TestClass2

This class implemented the call method with positional and keyword arguments. The purpose is just as a dummy class.

class somemodule.SomeClass

This is just some class...

print_something()

This class just prints some random text!

Returns

nothing

SAMPLE GRAPHVIZ CHAPTER

2.1 General information

The documentation to graphviz and thus an explanation how to generate this graphs is available under: <https://www.graphviz.org/pdf/dotguide.pdf>

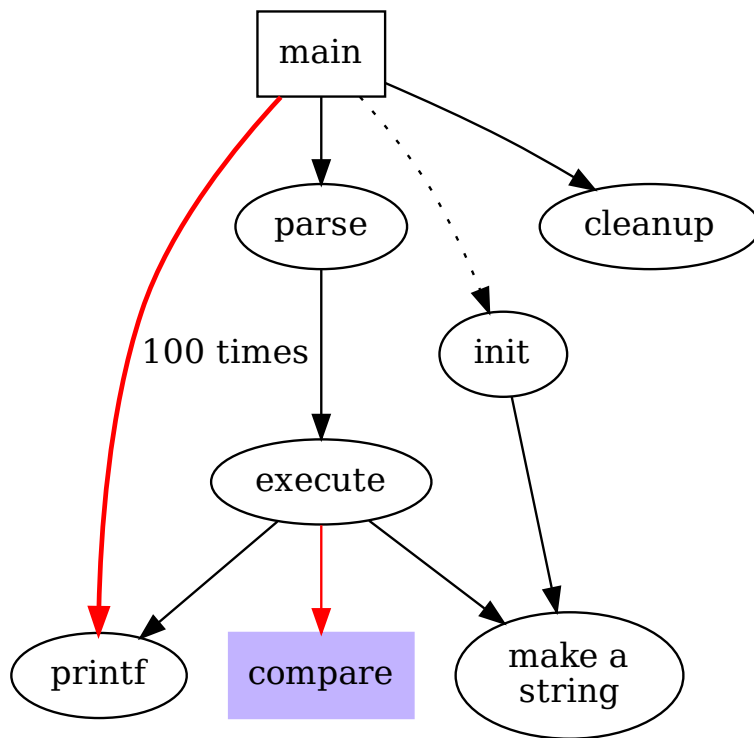
Further, an free online editor can be accessed via: <https://dreampuf.github.io/GraphvizOnline>

An idea could be to write a short python script which can be called in order to automatically generate this graphs. Otherwise, they need to be generated in the “sphinx” folder just via the shell command “make html”.

Attention: Besides “**pip install graphviz**” to the desired environment, which may causes some issues, it is recommend to install it via “**sudo apt-get install graphviz**”.

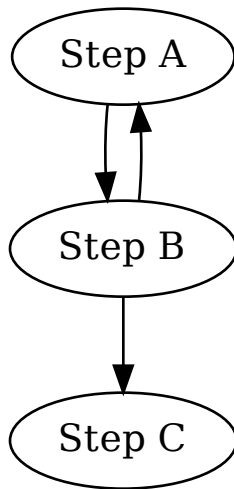
2.2 Diagram 1

At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga. Et harum quidem rerum facilis est et expedita distinctio.



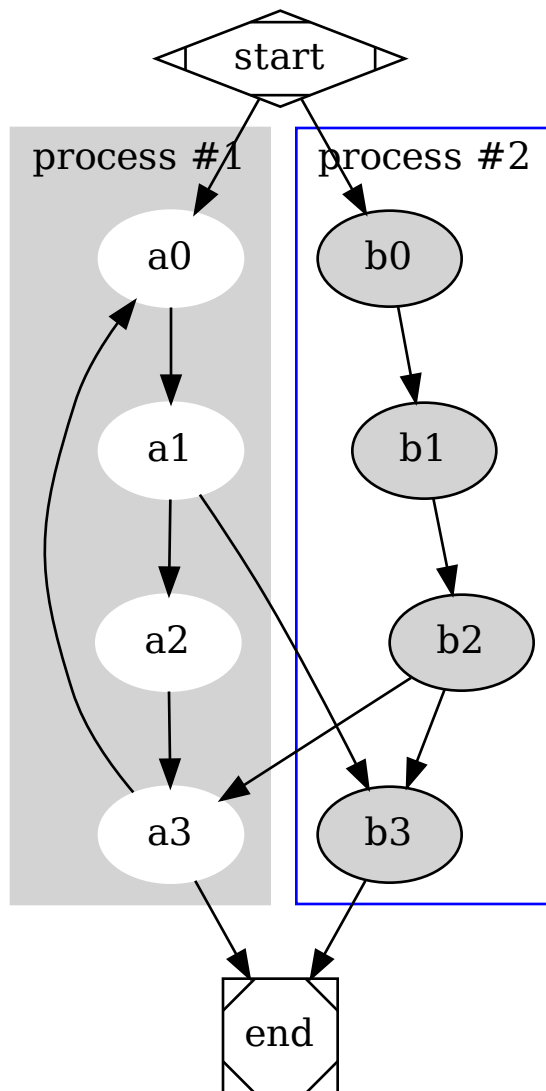
2.3 Diagram 2

At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga. Et harum quidem rerum facilis est et expedita distinctio.



2.4 Diagram 3

At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga. Et harum quidem rerum facilis est et expedita distinctio.

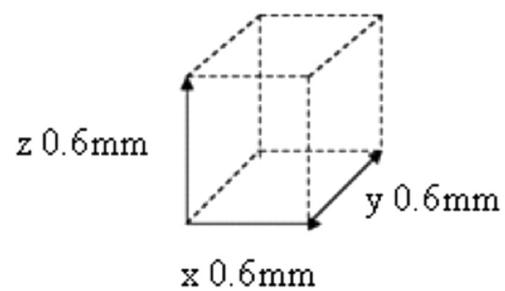
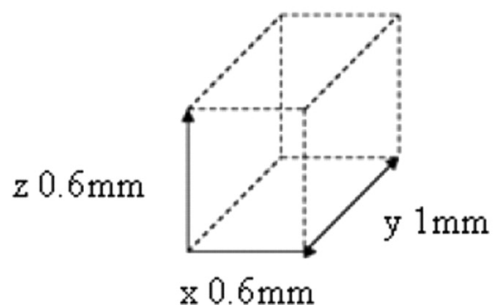
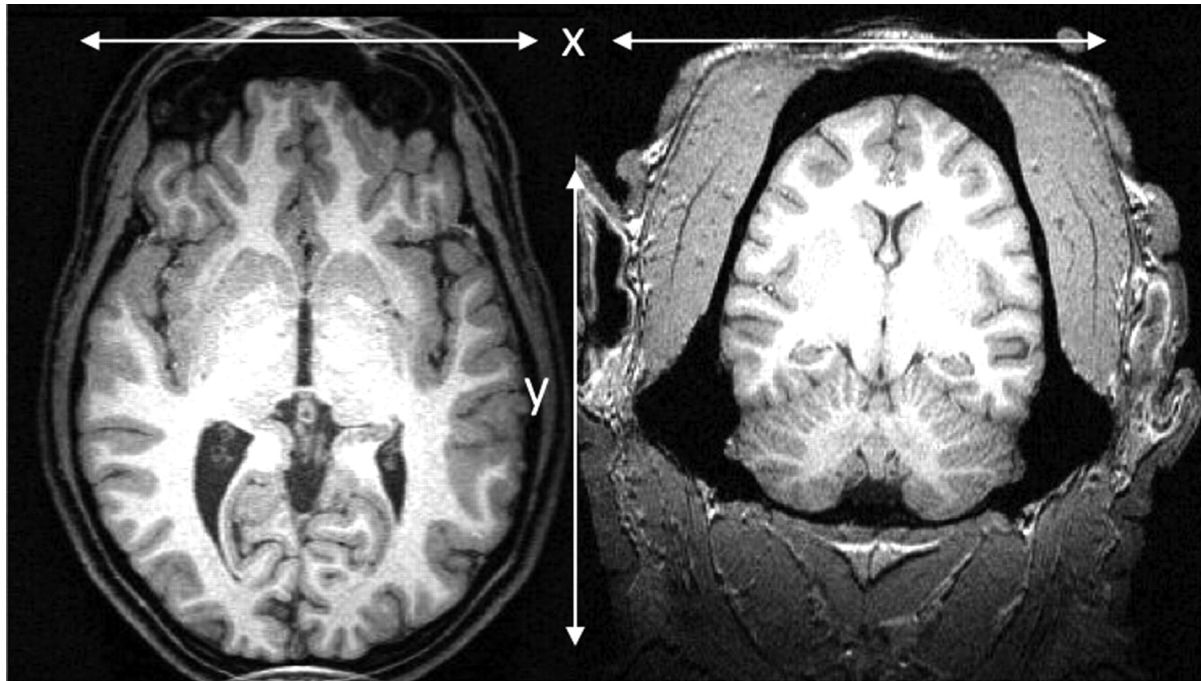


SAMPLE CHAPTER FOR IMAGES

3.1 Sample MRI Image

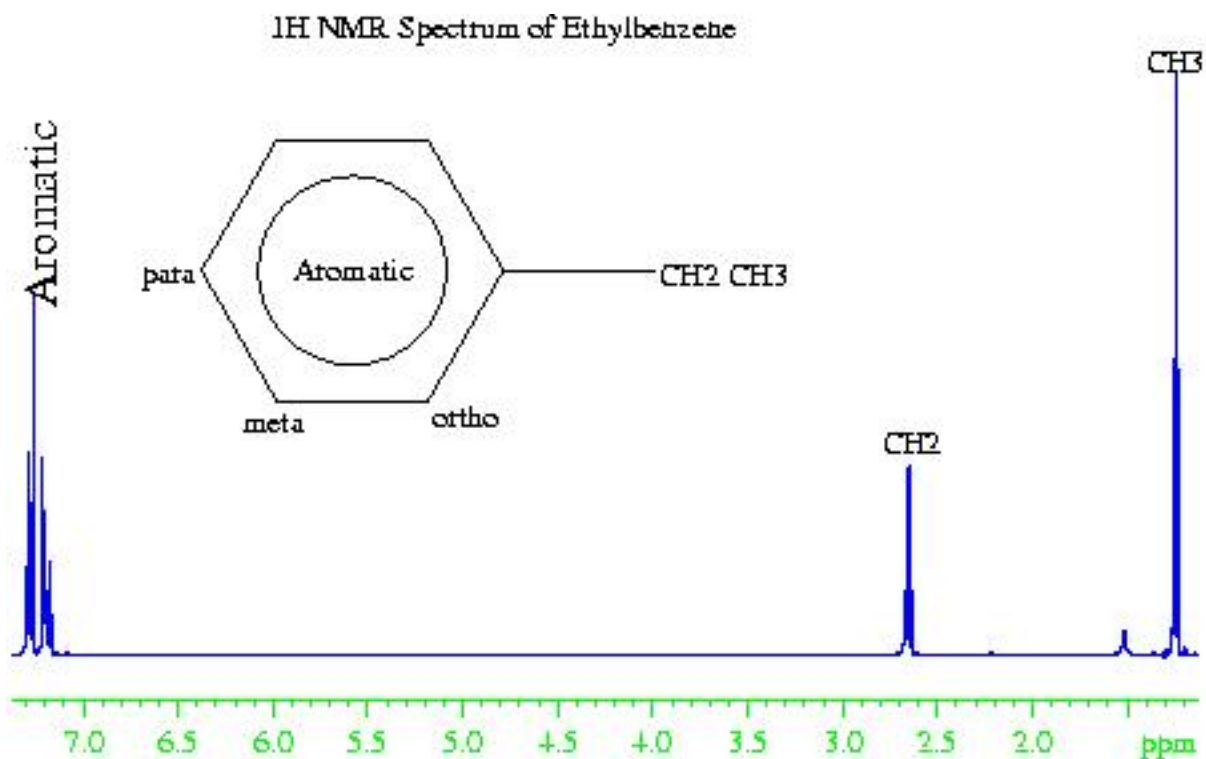
A Comparative Magnetic Resonance Imaging Study of the Anatomy, Variability, and Asymmetry of Broca's Area in the Human and Chimpanzee Brain

Link: <https://www.jneurosci.org/content/29/46/14607>



3.2 ^1H NMR spectrum of ethylbenzene

^1H NMR spectrum of ethylbenzene. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

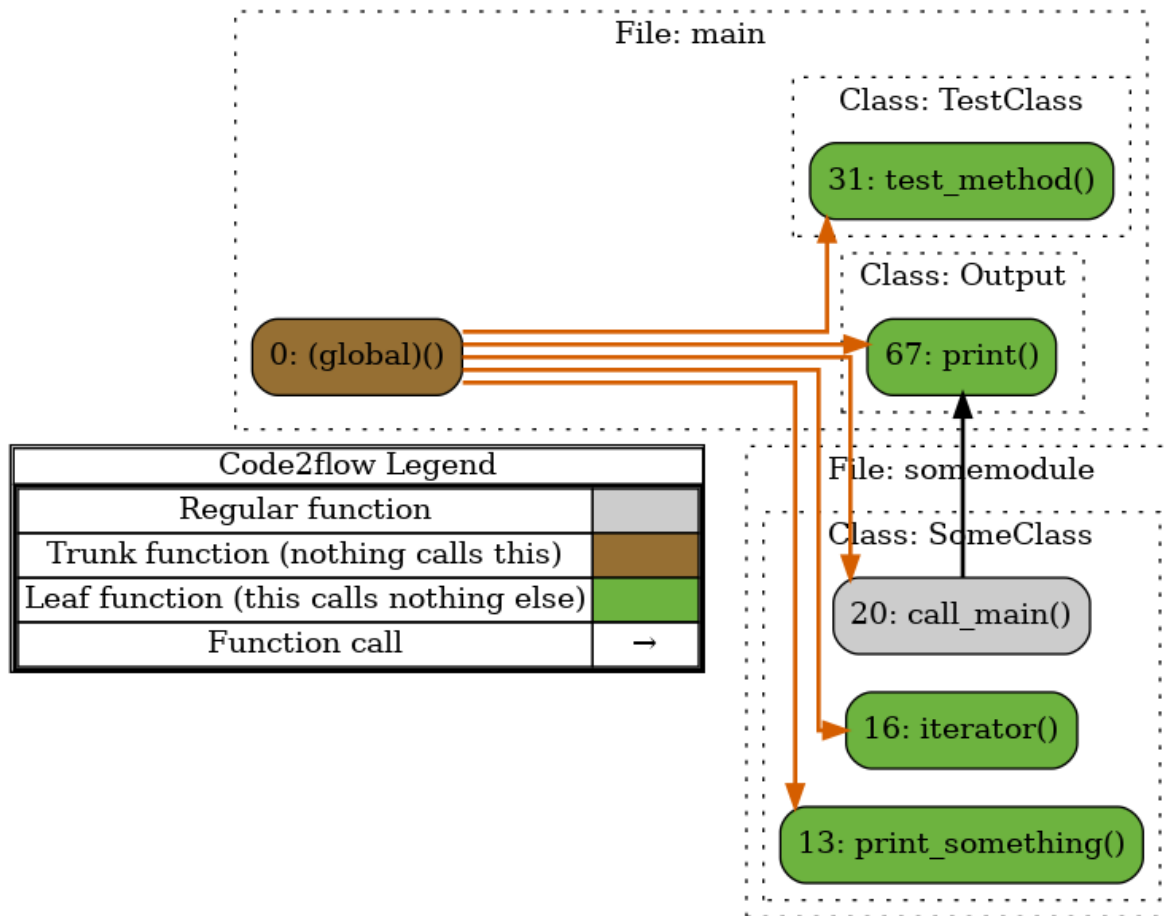


3.3 Sample code2flow image

This image shows the calls of each method and displays also the respective class.

Attention: It is important to have one class as starting point or at least have all modules where the code should start in one folder. Then, the code2flow can be called via “`code2flow *py`”.

The image:



SAMPLE MATH CHAPTER

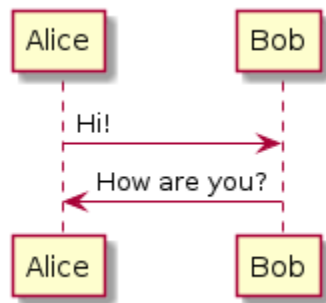
4.1 Some random math

$$\underline{x} = [x_1, \dots, x_n]^T$$

4.2 Biot-Savart law

$$d\mathbf{B} = \frac{\mu_0}{4\pi} \frac{I d\boldsymbol{\ell} \times \hat{\mathbf{r}}}{r^2}$$

SAMPLE PLANTUML CHAPTER



SAMPLE CHAPTER

This is a paragraph.s

6.1 A section

A paragraph in section.

Note: This is a note.

6.1.1 A subsection

Attention: Something that requires attention.

6.2 Adding footnotes

Some text that requires a footnote¹.

To see how to add content of this footnote, scroll down to the bottom of this page.

6.3 Including abbreviations

Use the `:abbr:` directive, for example: LIFO (last-in, first-out)

¹ Text of the first footnote. More text here.

6.4 Inserting links

To other documents in this book, use `:doc:` with the path to the file. For example, *Sphinx documentation*.

You can insert link to external websites *inline* or define them *separately*. See the links section at the end of this page.

6.5 Code samples

```
# import os
# import sys
# sys.path.insert(0, os.path.abspath('.'))
from string import Template
```

SUMMARY

Could be a summary of the project.

7.1 Section 1

“Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.”

7.1.1 Section 1.1

“Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur? Quis autem vel eum iure reprehenderit qui in ea voluptate velit esse quam nihil molestiae consequatur, vel illum qui dolorem eum fugiat quo voluptas nulla pariatur?”

7.2 Section 2

INDICES AND TABLES

- `genindex`
- `modindex`
- `search`

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