Demo_of_RISE_for_slides_with_Jupyter_notebooks__Python

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2 Demo of RISE for slides with Jupyter notebooks (Python)

• This document is an example of a slideshow, written in a Jupyter notebook with the RISE extension.


2.1 Title 2
2.1.1 Title 3

Title 4

Title 5

Title 6
2.2 Text

With text, emphasis, bold, striked, inline code and

Quote.

-- By a guy.

2.3 Maths

With inline math $\sin(x)^2 + \cos(x)^2 = 1$ and equations:

$$\sin(x)^2 + \cos(x)^2 = \left(\frac{e^{ix} - e^{-ix}}{2i}\right)^2 + \left(\frac{e^{ix} + e^{-ix}}{2}\right)^2 = \frac{-e^{2ix} - e^{-2ix} + 2 + e^{2ix} + e^{-2ix} + 2}{4} = 1.$$

2.4 And code

In Markdown:

```python
from sys import version
print(version)
```

And in a executable cell (with Python 3 kernel):

```
In [7]: from sys import version
   print(version)
```

3.5.3 (default, Sep 7 2017, 16:23:57)
[GCC 6.3.0 20170406]

3 More demo of Markdown code

3.1 Lists

- Unordered
- lists
- are easy.

And

1. and ordered also! Just
2. start lines by 1., 2. etc
3. or simply 1., 1., ...
Images  With a HTML `<img/>` tag or the `![alt](url)` Markdown code:

**In [8]:** # https://gist.github.com/dm-wyncode/55823165c104717ca49863fc526d1354

    """Embed a YouTube video via its embed url into a notebook."""

    from functools import partial

    from IPython.display import display, IFrame

    width, height = (560, 315, )

def _iframe_attrs(embed_url):
    """Get IFrame args.""
    return (  
        ('src', 'width', 'height'),  
        (embed_url, width, height, ),
    )

def _get_args(embed_url):
    """Get args for type to create a class.""
    iframe = dict(zip(*_iframe_attrs(embed_url)))
    attrs = {
        'display': partial(display, IFrame(**iframe)),
    }
    return ('YouTubeVideo', (object, ), attrs, )

def youtube_video(embed_url):
    """Embed YouTube video into a notebook.

    Place this module into the same directory as the notebook.

    >>> from embed import youtube_video
    >>> youtube_video(url).display()
    """

    YouTubeVideo = type(*_get_args(embed_url))  # make a class
    return YouTubeVideo()  # return an object

**Out[8]:** 'Embed a YouTube video via its embed url into a notebook.'

**And Markdown can include raw HTML**  This is a centered span, colored in green.

  Iframes are disabled by default, but by using the IPython internals we can include let say a YouTube video:
4 End of this demo

- See here for more notebooks!
- This document, like my other notebooks, is distributed under the MIT License.