Using Sphinx

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1 Sphinx in Python

The following serves as a summary of the most important things to know about incorporating Sphinx into your Python comments. The full specification for the Python domain can be found at
`http://sphinx-doc.org/domains.html#the-python-domain`.

How to create function names and parameters

```
.. py:function:: enumerate(sequence[, start=0])

   ...
```

There are other directives for documenting other types of Python objects, such as `py:class` and `py:method`. Please note that `py:` can be left out as Python is the default domain.

How to add a short description following the function name. [1]

```
.. function:: enumerate(sequence[, start=0])

   Return an iterator that yields tuples of an index and an item of the
   *sequence*. (And so on.)
```

Create a link to a specific object within the Sphinx documentation
`:py:func:‘enumerate‘` will create a link to the function enumerate where it appears in the actual Sphinx documentation.

Using Autodoc Firstly one must make sure that `sphinx.ext.autodoc` in the `conf.py` file is assigned to the list `extensions`.
You may then use `.. autofunction:: io.open` to read the signiture and docstring from the `io.open()` function. Similarily

```
.. automodule:: io
   :members:
```

will document the whole `io` class.

[1] The * characters which frame 'sequence' serves to make the word sequence appear in *italics*

2 Formatting and markup

Please follow this link `http://sphinx-doc.org/rest.html` to find out how to add markups, if nessicary. The website is very complete and easy to follow.