Docstring Format

Function docstring

```python
def function_name(param1, param2):
    """

    Brief description of the function.


    Longer description (optional).


    Args:

        param1 (type): Description of param1.

        param2 (type): Description of param2.


    Returns:

        type: Description of the return value.


    Raises:

        ExceptionType: Description of the exception raised.
    """
    You function code here
```

Class docstring

```python
class ClassName:
    """

    Brief description of the class.


    Attributes:

        attr1 (type): Description of attribute 1.

        attr2 (type): Description of attribute 2.
    """


    def __init__(self, param1, param2):
```

"""

Brief description of the __init__ method.

Args:

    param1 (type): Description of param1.

    param2 (type): Description of param2.
"""

self.attr1 = param1

self.attr2 = param2

Installation Setup

pip install mkdocs
pip install mkdocstrings
pip install mkdocstrings-python

Preparation commands

1. mkdocs new <root directory of project>
   A **mkdocs.yaml** file will be created this is the configuration file for the documentation site
   By default the contents will be:
   > site_name: Your Project Name

   You can add the following configuration:
   > plugins:
   > > - mkdocstrings
   >
   > nav:
   >
   > > - index.md
   > > - Home: home.md
   > > - how-to-tutorial.md
   > > - Explanation: explanation.md
   > > - <Other pages heading> : <page.md file>

   A **docs** folder will be created containing the index.md file, we need to create the md files we for each page we want to use defined in the mkdocs.yaml nav section

   > New files to create here:

- home.md
- how-to-tutorial.md
- explanation.md

Extra command:

python -m doctest <python file path>

If you get no output then the docstring format written in correct else you will get the error output.

Building the docs

After this run either of the following commands to build webpage:

mkdocs build

or

mkdocs serve

Got to the link provided to see the page