Documentation Tool: Sphinx

Introduction

1. What is Sphinx?

Sphinx is an open-source documentation generation tool that simplifies the process of creating and maintaining documentation for software projects, libraries, APIs, or any other text-based documentation needs. It's widely favored for its flexibility, extensibility, and compatibility with various markup languages like reStructuredText and Markdown.

2. Documentation

Click here.

Installation & Usage

1. How to install sphinx?

Click here.

2. How to make sphinx documentation?

Click here.

3. Source Code:

Here are the source codes of three python files the we've created: main, summation and subtraction.

```
subtraction.py  
summation.py ×

src > module1 > summation.py > ⊕ summation

def summation(number1: int, number2: int);

""This functions returns the summation of two numbers.

Args:
number1(int): Interger to sum

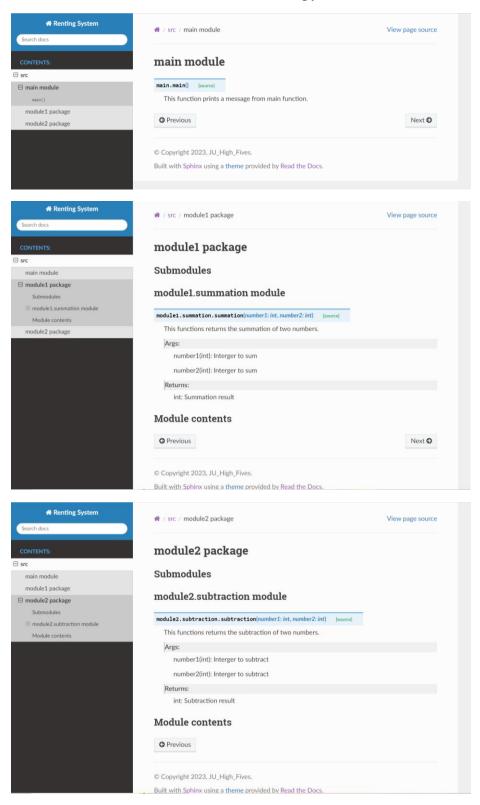
number2(int): Interger to sum

Returns:
int: Summation result

return number1 + number2
```

4. Produced documentation

Here are the documentation created for those python files.



Pros & Cons of Sphinx

1. Why sphinx?

- Markup language support
- Automatic document generation
- Extensibility
- Cross-referencing and indexing
- Multiple output formats
- Integration with version control systems

2. Why not sphinx?

- Mastering the syntaxes and understanding the configuration options can take time for beginners.
- Complex for simple projects.
- Integration with non-python projects might require additional effort or workarounds.

Despite these limitations, Sphinx remains a powerful and widely used documentation tool in the software development community.