pyjc Documentation

Release v0.1.2-alpha

Johnny Chan

Oct 01, 2017

Contents

CHAPTER 1

Introduction

(Note: this project is currently in Alpha phase. Expect bugs.)

pyjc is a reference python package and module implementation for educational purposes. It is a project that enables one to:

- learn how to develop, build, test, and release a bespoke Python package
- reuse utilities
- get hands-on experience building an open source software

“The structure of this repository is largely inspired by Stackoverflow and the NumPy GitHub repository.”

CHAPTER 2

GitHub Repository

See this GitHub Repository

CHAPTER 3

pyjc

pyjc package

Subpackages

pyjc.cal package

Submodules

pyjc.cal.add module

pyjc.cal.add.**add**(*a*, *b*)

Add two numbers and return the result.

Parameters **a, b** (*numeric like*)

Returns **out**

Return type numeric like

Examples

```
>>> add(2, 3)
5
>>> add(-2, 10)
8
>>> add(2., 3)
5.0
>>> add(-2., 10)
8.0
```

See also:

pyjc.cal.divide(), *pyjc.cal.subtract()*, *pyjc.cal.multiply()*

pyjc.cal.divide module

pyjc.cal.divide.**divide**(*a*, *b*)

Divide a from b, and return the result.

Parameters **a, b** (*numeric like*)

Returns **out**

Return type numeric like

```
>>> divide(3, 2)
1.5
>>> divide(10, -2)
-5.0
>>> divide(3., 2)
1.5
>>> divide(10., -2)
-5.0
```

See also:

pyjc.cal.add(), *pyjc.cal.subtract()*, *pyjc.cal.multiply()*

pyjc.cal.multiply module

pyjc.cal.multiply.**multiply**(*a*, *b*)

Multiply a and b, and return the result.

Parameters **a, b** (*numeric like*)

Returns **out**

Return type numeric like

```
>>> multiply(3, 2)
6
>>> multiply(10, -2)
-20
>>> multiply(3., 2)
6.0
>>> multiply(10, -2.)
-20.0
```

See also:

pyjc.cal.add(), *pyjc.cal.divide()*, *pyjc.cal.subtract()*

pyjc.cal.subtract module

pyjc.cal.subtract.**subtract**(*a*, *b*)

Subtract b from a, and return the result.

Parameters **a, b** (*numeric like*)

Returns out

Return type numeric like

```
>>> subtract(2, 3)
-1
>>> subtract(-2, 10)
-12
```

See also:

pyjc.cal.add(), *pyjc.cal.divide()*, *pyjc.cal.multiply()*

Module contents

pyjc.cal

Contains toy calculation utilities, such as add, divide, multiply, and subtract.

To call the function *pyjc.cal.add.add()*, simply do a *pyjc.cal.add()* (i.e. skip the module name)

Module contents

pyjc

Provides

1. A reference Python Package / Module Implementation for education purpose, inspired by Numpy.
2. Utilities for Deep Learning Projects

How to use the documentation

Documentation is available in two forms: docstrings provided with the code, and a loose standing reference guide on ReadTheDoc.org (URL pending)

We recommend exploring the docstrings using Jupyter Console, an advanced Python shell with TAB-completion and introspection capabilities. See below for further instructions.

The docstring examples assume that *pyjc* has been imported as *pyjc*::

```
>>> import pyjc
```

Code snippets are indicated by three greater-than signs::

```
>>> x = 42
>>> x = x + 1
```

Use the built-in `help` function to view a function's docstring::

```
>>> help(pyjc.cal.add)
... # Help on function add in module pyjc.cal.add:
... # add(a, b)
... #     Add two numbers and return the result.
```

To call the function *pyjc.cal.add.add()*, simply do a *pyjc.cal.add()* (i.e. skip the module name)

CHAPTER 4

Indices and tables

- genindex
- modindex
- search

Python Module Index

p

Index