
dummyspackage Documentation

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Dummy Dumson

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CONTENTS:

1	dummyspackage package	1
1.1	Subpackages	1
1.1.1	dummyspackage.nested package	1
1.1.1.1	Submodules	1
1.1.1.2	dummyspackage.nested.baz_module module	1
1.1.1.3	Module contents	2
1.2	Submodules	2
1.3	dummyspackage.bar_module module	2
1.4	dummyspackage.foo_module module	2
1.5	Module contents	2
1.5.1	Section about sections:	3
1.5.1.1	Subsection:	3
1.5.1.2	Emphasis:	3
1.5.1.3	Function descriptions:	3
1.5.2	Other structures:	4
2	Indices and tables	6
	Python Module Index	7
	Index	8

DUMMYPACKAGE PACKAGE

1.1 Subpackages

1.1.1 dummypackage.nested package

1.1.1.1 Submodules

1.1.1.2 dummypackage.nested.baz_module module

Module with dummy functionality that isn't tested, to show a gap in the code coverage.

```
class dummypackage.nested.baz_module.Baz
```

```
    Bases: object
```

```
    A class with many lines that don't get tested
```

```
    a = 123
```

```
    b = 123
```

```
    c = 123
```

```
    d = 123
```

```
    e = 123
```

```
    f = 123
```

```
    g = 123
```

```
    h = 123
```

```
    i = 123
```

```
    j = 123
```

```
    k = 123
```

```
    m = 123
```

```
    n = 123
```

```
    o = 123
```

```
    p = 123
```

```
    q = 123
```

```
    r = 123
```

1.1.1.3 Module contents

1.2 Submodules

1.3 dummyspackage.bar_module module

Module mimicking foo with more expensive memory and runtime requirements.

class dummyspackage.bar_module.**Bar** (*size=1000000*)

Bases: *dummyspackage.foo_module.Foo*

Similar to Foo, with higher memory and runtime requirements.

1.4 dummyspackage.foo_module module

Module containing a simple class with low memory and runtime requirements.

class dummyspackage.foo_module.**Foo** (*size=1000000*)

Bases: object

A simple class with low memory and runtime requirements.

get_result ()

This function does something.

Returns a number stored in `self._result`

Return type integer or float

loop (*times*)

Restart result and run computation a number of times.

Parameters **times** (*int*) – non-negative number.

1.5 Module contents

Main init file docstring.

It exemplifies the usage of *restructured text*, like:

- 1 2 3 4
- *Italics*
- **Bold**
- **Numbered and nested lists:**
 1. This is a numbered list
 2. Nested lists have at least three characters indentation
- `Inline literals`
- Parameter fields: see class and method docstrings.

Note that lines above 80 characters would break `flake8` and therefore have to be wrapped. This can be achieved with `|` blocks.

This is a new line.

1.5.1 Section about sections:

- Surrounding chars have to be at least as long as the title

No explicit hierarchy, but this recommended: `#`, `*`, `=`, `-`, `^`, `"` (the first two with overline).

1.5.1.1 Subsection:

To exemplify the usage of `LATEX` and nested quotes, nothing better than the words of Isaac Newton himself:

“If I have seen further it is by standing on the shoulders of Giants.”

Or, in other words:

$$\sum_{k=1}^{\infty} k = -\frac{1}{12}$$

1.5.1.2 Emphasis:

Note: The sum of all parameters cannot exceed infinity

Warning: If the sum of all parameters exceeds infinity, behaviour is undefined!

1.5.1.3 Function descriptions:

Sphinx formatting:

`dummyspackage.add(a, b=None)`

This is a cool function.

Parameters

- **a** (*int or float*) – a number
- **b** (*int, float or None*) – another number

Returns `a+b`. If `b` is none, returns `a`

Return type integer or float

Note: Neither `a` nor `b` can be infinity!

Google formatting:

This function does something.

Args: name (str): The name to use.

Kwargs: state (bool): Current state to be in.

Returns: int. The return code:

```

0 -- Success!
1 -- No good.
2 -- Try again.

```

Raises: AttributeError, KeyError

Usage example:

```

>>> print public_fn_with_googley_docstring(name='foo', state=None)
0

```

BTW, this always returns 0. **NEVER** use with MyPublicClass.

1.5.2 Other structures:

Field lists:

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Literal blocks, preceded by double colon:

```

This is a literal block

Markups are not rendered here.

```

Doctest blocks can be tested by the doc tool:

```

>>> [factorial(n) for n in range(6)]
[1, 1, 2, 6, 24, 120]
>>> [factorial(long(n)) for n in range(6)]
[1, 1, 2, 6, 24, 120]

```

Grid tables must be indented:

Header 1	Header 2	Header 3
body row 1	column 2	column 3
body row 2	Cells may span columns.	
body row 3	Cells may span rows.	<ul style="list-style-type: none"> • Cells • contain • blocks.
body row 4		

Simple table:

Inputs		Output
A	B	A or B
False	False	False
True	False	True
False	True	True
True	True	True

INDICES AND TABLES

- `genindex`
- `modindex`
- `search`

PYTHON MODULE INDEX

d

- `dummyspackage`, [2](#)
- `dummyspackage.bar_module`, [2](#)
- `dummyspackage.foo_module`, [2](#)
- `dummyspackage.nested`, [2](#)
- `dummyspackage.nested.baz_module`, [1](#)

INDEX

A

`a` (*dummyspackage.nested.baz_module.Baz attribute*), 1
`add()` (*in module dummyspackage*), 3

B

`b` (*dummyspackage.nested.baz_module.Baz attribute*), 1
`Bar` (*class in dummyspackage.bar_module*), 2
`Baz` (*class in dummyspackage.nested.baz_module*), 1

C

`c` (*dummyspackage.nested.baz_module.Baz attribute*), 1

D

`d` (*dummyspackage.nested.baz_module.Baz attribute*), 1
`dummyspackage` (*module*), 2
`dummyspackage.bar_module` (*module*), 2
`dummyspackage.foo_module` (*module*), 2
`dummyspackage.nested` (*module*), 2
`dummyspackage.nested.baz_module` (*module*), 1

E

`e` (*dummyspackage.nested.baz_module.Baz attribute*), 1

F

`f` (*dummyspackage.nested.baz_module.Baz attribute*), 1
`Foo` (*class in dummyspackage.foo_module*), 2

G

`g` (*dummyspackage.nested.baz_module.Baz attribute*), 1
`get_result()` (*dummyspackage.foo_module.Foo method*), 2

H

`h` (*dummyspackage.nested.baz_module.Baz attribute*), 1

I

`i` (*dummyspackage.nested.baz_module.Baz attribute*), 1

J

`j` (*dummyspackage.nested.baz_module.Baz attribute*), 1

K

`k` (*dummyspackage.nested.baz_module.Baz attribute*), 1

L

`loop()` (*dummyspackage.foo_module.Foo method*), 2

M

`m` (*dummyspackage.nested.baz_module.Baz attribute*), 1

N

`n` (*dummyspackage.nested.baz_module.Baz attribute*), 1

O

`o` (*dummyspackage.nested.baz_module.Baz attribute*), 1

P

`p` (*dummyspackage.nested.baz_module.Baz attribute*), 1

Q

`q` (*dummyspackage.nested.baz_module.Baz attribute*), 1

R

`r` (*dummyspackage.nested.baz_module.Baz attribute*), 1