
Example Project

Release 0.2.1

Jan 31, 2022

Table of Contents:

1	Introduction	1
1.1	Description	1
1.2	Features	1
1.3	Source Code	1
1.4	LICENSE	1
1.5	Contributions	1
2	Installation	3
2.1	GitHub	3
2.2	pip	3
3	Quickstart	5
3.1	Random Number Generator	5
3.2	Random Sequence Generator	5
4	User Guide	7
5	Indices and tables	9
	Python Module Index	11
	Index	13

1.1 Description

This is an example project that is used as practice for learning `packaging`.

1.2 Features

Example Python Project officially supports Python 3.7–3.10.

- Feature 1
- Feature 2
- Feature 3

1.3 Source Code

The source code is currently hosted on GitHub at:

<https://github.com/Hakonmh/example-project>

1.4 LICENSE

MIT

1.5 Contributions

All contributions, bug reports, bug fixes, documentation improvements, enhancements and ideas are welcome.

Issues are posted on:

<https://github.com/Hakonmh/example-project/issues>

2.1 GitHub

The source code is currently hosted on GitHub at:

<https://github.com/Hakonmh/example-project>

2.2 pip

The project is hosted on pyPI at:

<https://pypi.org/project/Example-Project/>

To install Example Project, simply use pip:

```
pip install example
```


This is a short introduction to Example Project, geared mainly for new users.

Importing Example Project:

```
from example import example_code as ex
```

3.1 Random Number Generator

To generate a integer between *start* and *stop* simply use:

```
output = ex.random_number_generator(0, 10)
```

3.2 Random Sequence Generator

To generate a list of length *length* consisting of integers between *start* and *stop* use:

```
output = ex.random_sequence_generator(5, 0, 10)
```


The User Guide covers all of Example Project by alphabetical order. This page also functions as an API-reference guide, since it covers all public objects in Example Project.

`example.example_code.random_number_generator(start, stop)`

Returns a random number between start and stop.

Parameters

- **start** (*int*) – Lowest possible number.
- **stop** (*int*) – Highest possible number.

Returns A random integer between start and stop.

Return type `int`

Examples

```
>>> random_number_generator(0, 10)
5 #random
```

`example.example_code.random_sequence_generator(length, start, stop)`

Returns a list of random numbers between start and stop.

Parameters

- **length** (*int*) – Length of the list.
- **start** (*int*) – Lowest possible number.
- **stop** (*int*) – Highest possible number.

Returns A list of random integers between start and stop.

Return type `list`

Raises `ValueError` – If `length < 1`

Examples

```
>>> random_sequence_generator(5, 0, 10)
[3, 4, 9, 5, 2] #random
```

CHAPTER 5

Indices and tables

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

e

`example.example_code`, [7](#)

E

`example.example_code` (*module*), 7

R

`random_number_generator()` (*in module example.example_code*), 7

`random_sequence_generator()` (*in module example.example_code*), 7