lorem

Release 1.2.0

Jarry Shaw

Apr 23, 2023

CONTENTS

CHAPTER

ONE

LOREM IPSUM GENERATOR

1.1 Get Random Words

lorem.**word**(*pool=('ad', 'adipiscing', 'aliqua', 'aliquip', 'amet', 'anim', 'aute', 'cillum', 'commodo', 'consectetur', 'consequat', 'culpa', 'cupidatat', 'deserunt', 'do', 'dolor', 'dolore', 'duis', 'ea', 'eiusmod', 'elit', 'enim', 'esse', 'est', 'et', 'eu', 'ex', 'excepteur', 'exercitation', 'fugiat', 'id', 'in', 'incididunt', 'ipsum', 'irure', 'labore', 'laboris', 'laborum', 'lorem', 'magna', 'minim', 'mollit', 'nisi', 'non', 'nostrud', 'nulla', 'occaecat', 'officia', 'pariatur', 'proident', 'qui', 'quis', 'reprehenderit', 'sed', 'sint', 'sit', 'sunt', 'tempor', 'ullamco', 'ut', 'velit', 'veniam', 'voluptate'), count=1, func=None, args=(), kwargs={}*)

Generate a list of random words.

```
>>> list(itertools.cycle(word(count=3), 3))
['labore', 'tempor', 'commodo']
>>> list(itertools.cycle(word(count=3, func='capitalize'), 3))
['Ea', 'Lorem', 'Do']
>>> list(itertools.cycle(word(count=3, func=lambda s: s.upper()), 3))
['UT', 'AMET', 'EXCEPTEUR']
```

Parameters

- **pool** (*Iterable[str]*) – List of words to be used as random word pool.
- **count** (*int*) – Number of non-repeated random words.
- **func** (*Optional[str | Callable[[str], str]]*) – Filter function. It can be an attribute name of `str`, or a customised function that takes the original `str` and returns the modified `str`.
- **args** (*tuple[str, ...]*) – Additional positional arguments for `func`.
- **kwargs** (*dict[str, Any]*) – Additional keyword arguments for `func`.

Returns
Indefinite random words generator.

Return type
Iterator[str]

lorem.**get_word**(*pool=('ad', 'adipiscing', 'aliqua', 'aliquip', 'amet', 'anim', 'aute', 'cillum', 'commodo', 'consectetur', 'consequat', 'culpa', 'cupidatat', 'deserunt', 'do', 'dolor', 'dolore', 'duis', 'ea', 'eiusmod', 'elit', 'enim', 'esse', 'est', 'et', 'eu', 'ex', 'excepteur', 'exercitation', 'fugiat', 'id', 'in', 'incididunt', 'ipsum', 'irure', 'labore', 'laboris', 'laborum', 'lorem', 'magna', 'minim', 'mollit', 'nisi', 'non', 'nostrud', 'nulla', 'occaecat', 'officia', 'pariatur', 'proident', 'qui', 'quis', 'reprehenderit', 'sed', 'sint', 'sit', 'sunt', 'tempor', 'ullamco', 'ut', 'velit', 'veniam', 'voluptate'), count=1, sep=' ', func=None, args=(), kwargs={}*)

Return random words.

```
>>> get_word(count=3)
'anim voluptate non'
>>> get_word(count=3, func='capitalize')
'Non Labore Ut'
>>> get_word(count=3, func=lambda s: s.upper())
'NISI TEMPOR CILLUM'
```

Parameters

- **pool** (*Iterable[str]*) – List of words to be used as random word pool.
- **count** (*int | tuple[int, int]*) – Number of random words. To generate random number of words, supply a 2-element tuple of `int`, the function will use `random.randint()` to choose a random integer as the number of random words.
- **sep** (*str*) – Seperator between each word.
- **func** (*Optional[str | Callable[[str], str]]*) – Filter function. It can be a function name of `str`, or a customised function that takes the original `str` and returns the modified `str`.
- **args** (*tuple[str, ...]*) – Additional positional arguments for `func`.
- **kwargs** (*dict[str, Any]*) – Additional keyword arguments for `func`.

Returns
Random words.

Return type
str

1.2 Get Random Sentences

lorem.**sentence**(*pool=('ad', 'adipiscing', 'aliqua', 'aliquip', 'amet', 'anim', 'aute', 'cillum', 'commodo', 'consectetur', 'consequat', 'culpa', 'cupidatat', 'deserunt', 'do', 'dolor', 'dolore', 'duis', 'ea', 'eiusmod', 'elit', 'enim', 'esse', 'est', 'et', 'eu', 'ex', 'excepteur', 'exercitation', 'fugiat', 'id', 'in', 'incididunt', 'ipsum', 'irure', 'labore', 'laboris', 'laborum', 'lorem', 'magna', 'minim', 'mollit', 'nisi', 'non', 'nostrud', 'nulla', 'occaecat', 'officia', 'pariatur', 'proident', 'qui', 'quis', 'reprehenderit', 'sed', 'sint', 'sit', 'sunt', 'tempor', 'ullamco', 'ut', 'velit', 'veniam', 'voluptate'), count=1, comma=(0, 2), word_range=(4, 8)*)

Generate a list of random sentences.

```
>>> list(itertools.islice(sentence(), 1))
['Aute irure et commodo sunt do duis dolor.']
```

Parameters

- **pool** (*Iterable[str]*) – List of words to be used as random word pool.
- **count** (*int*) – Number of non-repeated random sentences.
- **comma** (*tuple[int, int]*) – Random range for number of commas. The function will use `random.randint()` to choose a random integer as the number of commas.

- **word_range** (*tuple[int, int]*) – Random range for number of words in each sentence. The function will use `random.randint()` to choose a random integer as the number of words.

Returns
Indefinite random sentence generator.

Return type
Iterator[str]

lorem.**get_sentence**(*pool=('ad', 'adipiscing', 'aliqua', 'aliquip', 'amet', 'anim', 'aute', 'cillum', 'commodo', 'consectetur', 'consequat', 'culpa', 'cupidatat', 'deserunt', 'do', 'dolor', 'dolore', 'duis', 'ea', 'eiusmod', 'elit', 'enim', 'esse', 'est', 'et', 'eu', 'ex', 'excepteur', 'exercitation', 'fugiat', 'id', 'in', 'incididunt', 'ipsum', 'irure', 'labore', 'laboris', 'laborum', 'lorem', 'magna', 'minim', 'mollit', 'nisi', 'non', 'nostrud', 'nulla', 'occaecat', 'officia', 'pariatur', 'proident', 'qui', 'quis', 'reprehenderit', 'sed', 'sint', 'sit', 'sunt', 'tempor', 'ullamco', 'ut', 'velit', 'veniam', 'voluptate'), count=1, sep=' ', comma=(0, 2), word_range=(4, 8)*)

Return random sentences.

```
>>> get_sentence()
'Nostrud laboris lorem minim sit culpa, aliqua nostrud in amet, sint pariatur␣
↪eiusmod esse.'
```

Parameters

- **pool** (*Iterable[str]*) – List of words to be used as random word pool.
- **count** (*int | tuple[int, int]*) – Number of random sentences. To generate random number of sentences, supply a 2-element tuple of `int`, the function will use `random.randint()` to choose a random integer as the number of random sentences.
- **sep** (*str*) – Seperator between each sentence.
- **comma** (*tuple[int, int]*) – Random range for number of commas. The function will use `random.randint()` to choose a random integer as the number of commas.
- **word_range** (*tuple[int, int]*) – Random range for number of words in each sentence. The function will use `random.randint()` to choose a random integer as the number of words.

Returns
Random sentences.

Return type
str

1.3 Get Random Paragraphs

lorem.**paragraph**(*pool=('ad', 'adipiscing', 'aliqua', 'aliquip', 'amet', 'anim', 'aute', 'cillum', 'commodo', 'consectetur', 'consequat', 'culpa', 'cupidatat', 'deserunt', 'do', 'dolor', 'dolore', 'duis', 'ea', 'eiusmod', 'elit', 'enim', 'esse', 'est', 'et', 'eu', 'ex', 'excepteur', 'exercitation', 'fugiat', 'id', 'in', 'incididunt', 'ipsum', 'irure', 'labore', 'laboris', 'laborum', 'lorem', 'magna', 'minim', 'mollit', 'nisi', 'non', 'nostrud', 'nulla', 'occaecat', 'officia', 'pariatur', 'proident', 'qui', 'quis', 'reprehenderit', 'sed', 'sint', 'sit', 'sunt', 'tempor', 'ullamco', 'ut', 'velit', 'veniam', 'voluptate'), count=1, comma=(0, 2), word_range=(4, 8), sentence_range=(5, 10)*)

Generate a list of random paragraphs.

```
>>> list(itertools.islice(paragraph(), 1))
['Aute sint et cupidatat aliquip. Non exercitation est aliquip voluptate '
    'fugiat, reprehenderit ad occaecat laboris velit consequat. Magna enim '
    'deserunt aute laborum fugiat exercitation. Aliqua ex sunt fugiat in '
    'magna voluptate. Elit nisi exercitation nostrud. Magna proident et '
    'fugiat eiusmod cupidatat fugiat, sit culpa fugiat non ea eu '
    'reprehenderit elit. Proident mollit mollit ut cillum. Nostrud voluptate '
    'aliquip cupidatat anim.']
```

Parameters

- **pool** (*Iterable[str]*) – List of words to be used as random word pool.
- **count** (*int*) – Number of non-repeated random paragraphs.
- **comma** (*tuple[int, int]*) – Random range for number of commas. The function will use `random.randint()` to choose a random integer as the number of commas.
- **word_range** (*tuple[int, int]*) – Random range for number of words in each sentence. The function will use `random.randint()` to choose a random integer as the number of words.
- **sentence_range** (*tuple[int, int]*) – Random range for number of sentences in each paragraph. The function will use `random.randint()` to choose a random integer as the number of sentences.

Returns
Random paragraph generator.

Return type
Iterator[str]

lorem.**get_paragraph**(*pool=('ad', 'adipiscing', 'aliqua', 'aliquip', 'amet', 'anim', 'aute', 'cillum', 'commodo', 'consectetur', 'consequat', 'culpa', 'cupidatat', 'deserunt', 'do', 'dolor', 'dolore', 'duis', 'ea', 'eiusmod', 'elit', 'enim', 'esse', 'est', 'et', 'eu', 'ex', 'excepteur', 'exercitation', 'fugiat', 'id', 'in', 'incididunt', 'ipsum', 'irure', 'labore', 'laboris', 'laborum', 'lorem', 'magna', 'minim', 'mollit', 'nisi', 'non', 'nostrud', 'nulla', 'occaecat', 'officia', 'pariatur', 'proident', 'qui', 'quis', 'reprehenderit', 'sed', 'sint', 'sit', 'sunt', 'tempor', 'ullamco', 'ut', 'velit', 'veniam', 'voluptate'), count=1, sep='\n', comma=(0, 2), word_range=(4, 8), sentence_range=(5, 10)*)

Return random paragraphs.

```
>>> get_paragraph()
'Exercitation magna sunt excepteur irure adipiscing commodo duis. Est '
'ipsum qui deserunt, deserunt nostrud reprehenderit esse. Do velit '
'est in velit sed. Sunt officia officia lorem. Commodo lorem '
'exercitation veniam officia pariatur velit. Deserunt deserunt sed '
'consequat laborum consequat dolor. Et consectetur irure sint elit tempor,'
' est minim nisi eiusmod id excepteur. Minim cillum veniam sed aliquip '
'anim sit, pariatur nostrud ex cillum laboris laborum. Laborum ullamco '
'mollit elit. Amet id incididunt ipsum sed.'
```

Parameters

- **pool** (*Iterable[str]*) – List of words to be used as random word pool.

- **count** (*int | tuple[int, int]*) – Number of random paragraphs. To generate random number of paragraphs, supply a 2-element tuple of `int`, the function will use `random.randint()` to choose a random integer as the number of random paragraphs.
- **sep** (*str*) – Seperator between each paragraph. The default value is OS-dependent as `os.linsep` (\r\n on Windows, \n on POSIX).
- **comma** (*tuple[int, int]*) – Random range for number of commas. The function will use `random.randint()` to choose a random integer as the number of commas.
- **word_range** (*tuple[int, int]*) – Random range for number of words in each sentence. The function will use `random.randint()` to choose a random integer as the number of words.
- **sentence_range** (*tuple[int, int]*) – Random range for number of sentences in each paragraph. The function will use `random.randint()` to choose a random integer as the number of sentences.

Returns
Random paragraphs.

Return type
str

1.4 Internal utilities

lorem._TEXT = ('ad', 'adipiscing', 'aliqua', 'aliquip', 'amet', 'anim', 'aute', 'cillum', 'commodo', 'consectetur', 'consequat', 'culpa', 'cupidatat', 'deserunt', 'do', 'dolor', 'dolore', 'duis', 'ea', 'eiusmod', 'elit', 'enim', 'esse', 'est', 'et', 'eu', 'ex', 'excepteur', 'exercitation', 'fugiat', 'id', 'in', 'incididunt', 'ipsum', 'irure', 'labore', 'laboris', 'laborum', 'lorem', 'magna', 'minim', 'mollit', 'nisi', 'non', 'nostrud', 'nulla', 'occaecat', 'officia', 'pariatur', 'proident', 'qui', 'quis', 'reprehenderit', 'sed', 'sint', 'sit', 'sunt', 'tempor', 'ullamco', 'ut', 'velit', 'veniam', 'voluptate')

The original lorem ipsum text pool.

The text pool is generated directly from the original lorem ipsum paragraph:

```
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod
tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim
veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea
commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit
esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat
cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id
est laborum.
```

class lorem.**LoremGenerator**(*pool=('ad', 'adipiscing', 'aliqua', 'aliquip', 'amet', 'anim', 'aute', 'cillum', 'commodo', 'consectetur', 'consequat', 'culpa', 'cupidatat', 'deserunt', 'do', 'dolor', 'dolore', 'duis', 'ea', 'eiusmod', 'elit', 'enim', 'esse', 'est', 'et', 'eu', 'ex', 'excepteur', 'exercitation', 'fugiat', 'id', 'in', 'incididunt', 'ipsum', 'irure', 'labore', 'laboris', 'laborum', 'lorem', 'magna', 'minim', 'mollit', 'nisi', 'non', 'nostrud', 'nulla', 'occaecat', 'officia', 'pariatur', 'proident', 'qui', 'quis', 'reprehenderit', 'sed', 'sint', 'sit', 'sunt', 'tempor', 'ullamco', 'ut', 'velit', 'veniam', 'voluptate'), dupe=1*)

Bases: `object`

Generate random words.

Parameters

- **pool** (*Iterable[str]*) – List of words to be used as random word pool.
- **dupe** (*int*) – Duplication to generate the word pool.

property pool: Iterator[str]

Return the current random word pool.

_gen_pool(*dupe=1*)

Generate word pool.

Parameters
dupe (*int*) – Duplication to generate the word pool.

Returns
An infinite loop word pool.

Return type
Iterator[str]

gen_word(*func=None*, *args=()*, *kwargs={}*)

Generate random word.

Parameters

- **func** (*Optional[str | Callable[[str], str]]*) – Filter function. It can be an attribute name of `str`, or a customised function that takes the original `str` and returns the modified `str`.
- **args** (*tuple[str, ...]*) – Additional positional arguments for `func`.
- **kwargs** (*dict[str, Any]*) – Additional keyword arguments for `func`.

Returns
Random word.

Return type
str

gen_sentence(*comma*, *word_range*)

Generate random sentence.

Parameters

- **comma** (*tuple[int, int]*) – Random range for number of commas. The function will use `random.randint()` to choose a random integer as the number of commas.
- **word_range** (*tuple[int, int]*) – Random range for number of words in each sentence. The function will use `random.randint()` to choose a random integer as the number of words.

Returns
Random sentence.

Return type
str

gen_paragraph(*comma*, *word_range*, *sentence_range*)

Generate random paragraph.

Parameters

- **comma** (*tuple[int, int]*) – Random range for number of commas. The function will use `random.randint()` to choose a random integer as the number of commas.
- **word_range** (*tuple[int, int]*) – Random range for number of words in each sentence. The function will use `random.randint()` to choose a random integer as the number of words.
- **sentence_range** (*tuple[int, int]*) – Random range for number of sentences in each paragraph. The function will use `random.randint()` to choose a random integer as the number of sentences.

Returns
Random paragraph.

Return type
str

CHAPTER

TWO

MODULE UNITTESTS

Test suite for *lorem* module.

test_lorem.**islice**(*iterable*, *stop*)

Wrapper function for itertools.islice().

Parameters

- **iterable** (*Iterator[_T]*) –
- **stop** (*int*) –

Return type
list[_T]

test_lorem.**shuffle**(*x*, *random=None*)

Mock random.shuffle(), but actually do nothing.

Parameters

- **x** (*list[Any]*) –
- **random** (*Optional[Callable[[], float]]*) –

Return type
None

test_lorem.**randint**(*a*, *b*)

Mock random.randint(), but return the lower boundary.

Parameters

- **a** (*int*) –
- **b** (*int*) –

Return type
int

test_lorem.**choice_first**(*seq*)

Mock random.choice(), but return the first element.

Parameters
seq (*Sequence[_T]*) –

Return type
_T

test_lorem.**choice_last**(*seq*)

Mock random.choice(), but return the last element.

Parameters
seq (*Sequence[_T]*) –

Return type
_T

test_lorem.**pool**(*self*, *dupe=1*)

Mock *lorem.LoremGenerator._gen_pool()*, but return a minimised pool.

Parameters

- **self** (lorem.LoremGenerator) –
- **dupe** (*int*) –

Return type
Iterator[str]

class test_lorem.**TestLorem**(*methodName='runTest'*)

Bases: TestCase

Unittest case for lorem module.

test_lorem_init()

Test lorem.__init__().

Return type
None

test_gen_word()

Test *lorem.LoremGenerator.gen_word()*.

Return type
None

test_gen_sentence()

Test *lorem.LoremGenerator.gen_sentence()*.

Return type
None

test_gen_paragraph()

Test *lorem.LoremGenerator.gen_paragraph()*.

Return type
None

test_word()

Test *lorem.word()*.

Return type
None

test_sentence()

Test *lorem.sentence()*.

Return type
None

test_paragraph()

Test *lorem.paragraph()*.

Return type
None

test_get_word()

Test *lorem.get_word()*.

Return type
None

test_get_sentence()

Test *lorem.get_sentence()*.

Return type
None

test_get_paragraph()

Test *lorem.get_paragraph()*.

Return type
None

In publishing and graphic design, lorem ipsum is a placeholder text commonly used to demonstrate the visual form of a document or a typeface without relying on meaningful content.

The `lorem` module provides a generic access to generating the lorem ipsum text from its very original text:

```
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod
tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim
veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea
commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit
esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat
cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id
est laborum.
```

Usage of the `lorem` module is rather simple. Depending on your needs, the `lorem` module provides generation of *words*, *sentences*, and *paragraphs*.

CHAPTER

THREE

GET RANDOM WORDS

The `lorem` module provides two different ways for getting random words.

1. *word()* – generate a list of random words

```
def word(count=1, func=None, args=(), kwargs={}) -> Iterator[str]: ...
```

2. *get_word()* – return random words

```
def get_word(count=1, sep=' ', func=None, args=(), kwargs={}) -> str: ...
```

CHAPTER

FOUR

GET RANDOM SENTENCES

The `lorem` module provides two different ways for getting random sentences.

1. *sentence()* – generate a list of random sentences

```
def sentence(count=1, comma=(0, 2), word_range=(4, 8)) -> Iterator[str]: ...
```

2. *get_sentence()* – return random sentences

```
def get_sentence(count=1, sep=' ', comma=(0, 2), word_range=(4, 8)) -> Union[str]: .
↪..
```

CHAPTER

FIVE

GET RANDOM PARAGRAPHS

The `lorem` module provides two different ways for getting random paragraphs.

1. *paragraph()* – generate a list of random paragraphs

```
def paragraph(count=1, comma=(0, 2), word_range=(4, 8), sentence_range=(5, 10)) ->␣
↪Iterator[str]: ...
```

2. *get_paragraph()* – return random paragraphs

```
def get_paragraph(count=1, sep=os.linesep, comma=(0, 2), word_range=(4, 8),␣
↪sentence_range=(5, 10)) -> Union[str]: ...
```

CHAPTER

SIX

INDICES AND TABLES

- genindex
- modindex
- search

PYTHON MODULE INDEX

t

INDEX

Symbols

C

G

I

L

M

P

R

S

T

W