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# PyJSON5 Documentation

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Some helper functions to inspect `str` objects in Python 3.3 and later.



# CHAPTER 1

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## Installation

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```
$ pip install view393
```





`view393.view(unicode data, *, bool chars=False)`

Returns a memoryview of the input string.

**Parameters**

- **data** (*str*) – String to observe.
- **chars** (*bool*) – If the argument is truthy, then the result is casted to format "B".

**Returns** A contiguous, readonly view on the string in native byte-order.

**Return type** `memoryview`

`view393.utf8(unicode data)`

Returns a memoryview of the UTF-8 representation of the input string.

Calling this function multiple times will return different memoryview object, but the observed buffer is the same, possibly reducing overhead compared to `str.encode("UTF-8")` which generates unrelated bytes objects.

**Parameters** **data** (*str*) – String to observe.

**Returns** A contiguous, readonly view on the string encoded as UTF-8.

**Return type** `memoryview`

`view393.kind(unicode data)`

Returns the “kind” of the input string.

**Parameters** **data** (*str*) – String to query.

**Returns** E.g. `Kind.ASCII` if the all `ord(c) <= 0x7f` for `c` in `data`.

**Return type** `view393.Kind`

**class** `view393.Kind`

A enum to describe the “kind” of an `str()`.

Enum members:

- **ASCII:** the string only contains US-ASCII data. (This includes the empty string.)the string only contains US-ASCII data. (This includes the empty string.)
- **UCS1:** the string contains some characters that are not representable in ASCII, but all characters are in Latin-1.
- **UCS2:** the string contains some characters that are not representable in Latin-1, but all characters are in the Basic Multilingual Plane.
- **UCS4:** the string contains some characters outside the Basic Multilingual Plane.

**format**

The applicable `struct` format. E.g. `Kind.UCS4.size == "I"`.

**name**

The name of this enum value. E.g. `Kind.UCS4.size == "UCS4"`.

**size**

The itemsize of a single character. E.g. `Kind.UCS4.size == 4`.

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