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*

`type_coercion``#

Collection of functions to coerce conversion of types with an intelligent guess.

Functions#

`numberify``(value) |

---|---

`boolify``(value[, nullable, return_string]) | Convert a number, string, or sequence type into a pure boolean.

`typify``(value[, type_hint]) | Take a primitive value, usually a string, and try to make a more relevant type out of it.

`maybecall``(value) |

numberify(_value_)#

Examples

```
>>> [numberify(x) for x in ('1234', 1234, '0755', 0o0755, False, 0, '0', True, 1, '1')]
```

```
[1234, 1234, 755, 493, 0, 0, 0, 1, 1, 1]
```

```
>>> [numberify(x) for x in ('12.34', 12.34, 1.2+3.5j, '1.2+3.5j')]
```

```
[12.34, 12.34, (1.2+3.5j), (1.2+3.5j)]
```

```
boolify(_value_ , _nullable =False_, _return_string =False_)#
```

Convert a number, string, or sequence type into a pure boolean.

Parameters:

****value**** (**_number_** __, **__string_** __, **__sequence_** __) -- pretty much anything

Returns:

boolean representation of the given value

Return type:

[bool](<https://docs.python.org/3/library/functions.html#bool> "(in Python v3.13\))")

Examples

```
>>> [boolify(x) for x in ('yes', 'no')]
```

```
[True, False]
```

```
>>> [boolify(x) for x in (0.1, 0+0j, True, '0', '0.0', '0.1', '2')]
```

```
[True, False, True, False, False, True, True]
```

```
>>> [boolify(x) for x in ("true", "yes", "on", "y")]
```

```
[True, True, True, True]
```

```
>>> [boolify(x) for x in ("no", "non", "none", "off", "")]
```

```
[False, False, False, False, False]
```

```
>>> [boolify(x) for x in ([], set(), dict(), tuple())]
```

```
[False, False, False, False]
```

```
>>> [boolify(x) for x in ([1], set([False]), dict({'a': 1}), tuple([2]))]
```

```
[True, True, True, True]
```

```
typify(_value_ , _type_hint =None_)#
```

Take a primitive value, usually a string, and try to make a more relevant type out of it. An optional `type_hint` will try to coerce the value to that type.

Parameters:

`**value**` (`_Any_`) -- Usually a string, not a sequence

`**type_hint**` (`_type_`)(<https://docs.python.org/3/library/functions.html#type> "`\(in Python v3.13\)`")
`_or_` [`_tuple_`](<https://docs.python.org/3/library/stdtypes.html#tuple> "`\(in Python v3.13\)`")
`_[_type_]`(<https://docs.python.org/3/library/functions.html#type> "`\(in Python v3.13\)`") `_]`)

Examples

```
>>> typify('32')
```

```
32
```

```
>>> typify('32', float)
```

```
32.0
```

```
>>> typify('32.0')
```

```
32.0
```



```
>>> typify('32.0.0')
'32.0.0'
>>> [typify(x) for x in ('true', 'yes', 'on')]
[True, True, True]
>>> [typify(x) for x in ('no', 'FALSe', 'off')]
[False, False, False]
>>> [typify(x) for x in ('none', 'None', None)]
[None, None, None]
```

maybecall(_value_)#

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[[__Edit on GitHub](https://github.com/conda/conda/edit/main/docs/source/dev-guide/api/conda/auxlib/type_coercion/index.rst)](https://github.com/conda/conda/edit/main/docs/source/dev-guide/api/conda/auxlib/type_coercion/index.rst)

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